



RF CONNECTOR SOLUTIONS



Connecting Innovation to Application®



Winchester Electronics was established in 1941 and is today a global leader in the design, development, and deployment of interconnect technology. Headquartered in Middlebury, Connecticut, USA, Winchester operates worldwide with modern, electronically linked design, manufacturing, sales, and distribution facilities in the United States, Mexico, China, and Malaysia.

Winchester's competitive advantage is our ability to solve even the most difficult interconnect problems, deploy design solutions globally to meet the customer's manufacturing needs, and offer true supply chain management techniques to deliver value through our high-mix, low-volume manufacturing model. Our global IT infrastructure and worldwide communication capabilities allow for continuous information access in support of customer opportunities. The acquisition of Kings Electronics expanded our technological capabilities and broadened our market base and product offering.

Kings Electronics was originally founded in 1947 and has provided numerous contributions to the advancement of connector technology, including the K-Grip® crimp style connector, True 75 Ohm BNC connectors, and the industry standard Tri-Loc® triaxial camera connector

series. This long-trusted RF KINGS® Brand is highly regarded by customers in the Broadcast, Telecommunications, and Commercial and Military Aviation industries.

With over 125 years of collective industry experience, Winchester Electronics and the KINGS® Brand create value for our customers by offering a proven combination of quality products, efficient manufacturing, dedicated service, and inventive design solutions.

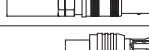
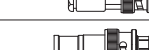
In addition to the KINGS® Brand RF Connectors, Winchester Electronics also manufactures a wide variety of PCB and Power Connectors, as well as value-added cable and electromechanical assemblies for customers in the Wireless Infrastructure, Computer, Industrial, and Medical Equipment industries.

Realizing its responsibility to the environment, every Winchester Electronics facility is ISO Certified and all of our products are manufactured in compliance with the European Union RoHS directive.

Providing superior products built to stringent specifications, the new Winchester Electronics is a valuable extension of your product development team. With the ability to rapidly develop engineered solutions at reduced costs and time-to-market, we can help your company maintain its competitive edge.

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CONNECTOR SELECTION GUIDE

	Series	Cable Type	Size	Coupling	Impedance	Max Frequency	Max VSWR	Voltage Rating
	BNC	Coaxial	Miniature	Bayonet	50 & 75 Ohm	4 GHz	1.3	500 VRMS
	BMA	Coaxial	Sub-Miniature	Blind Mate	50 Ohm	18 GHz	1.1	1000 VRMS
	C	Coaxial	Medium	Bayonet	50 Ohm	11 GHz	1.4	1000 VRMS
	K-Loc®	Coaxial	Miniature	Positive Lock	50 Ohm	—	—	500 VRMS
	MCX	Coaxial	Micro-Miniature	Snap On	50 & 75 Ohm	6 GHz	1.3	335 VRMS
	MMCX	Coaxial	Micro-Miniature	Snap On	50 Ohm	6 GHz	1.3	170 VRMS
	N	Coaxial	Medium	Threaded	50 Ohm	11 GHz	1.3	1000 VRMS
	QC-N™	Coaxial	Medium	Snap On	50 Ohm	11 GHz	1.2	1000 VRMS
	SC	Coaxial	Medium	Threaded	50 Ohm	11 GHz	1.3	1000 VRMS
	SMA	Coaxial	Sub-Miniature	Threaded	50 Ohm	18 GHz	1.3	500 VRMS
	QC-SMA™	Coaxial	Sub-Miniature	Snap On	50 Ohm	6 GHz	1.3	335 VRMS
	SMB	Coaxial	Sub-Miniature	Snap On	50 & 75 Ohm	4 GHz	1.5	250 VRMS
	TNC	Coaxial	Miniature	Threaded	50 & 75 Ohm	11 GHz	1.3	500 VRMS
	TRB	Triaxial	Miniature	Bayonet	Non-Constant	500 MHz	—	400 VRMS
	TRT	Triaxial	Miniature	Threaded	Non-Constant	500 MHz	—	400 VRMS
	10 KV	Coaxial	Medium	Bayonet	Non-Constant	—	—	10 KV DC
	20 KV	Coaxial	Medium	Bayonet	Non-Constant	—	—	20 KV DC
	HN	Coaxial	Medium	Threaded	50 Ohm	4 GHz	1.3	1500 VRMS
	MHV	Coaxial	Miniature	Bayonet	Non-Constant	500 MHz	—	3500 VRMS
	SHV	Coaxial	Miniature	Bayonet	Non-Constant	300 MHz	—	3500 VRMS
	Patch Plugs	Coaxial	Medium	Push On	75 Ohm	2.5 GHz	—	500 VRMS
	Tri-Loc®	Triaxial	Large	Push On	75 Ohm	2.5 GHz	—	1500 VRMS
	International Tri-Loc®	Triaxial	Large	Push On	75 Ohm	3.0 GHz	—	1500 VRMS
	Audio/Video Patching Systems	See Catalog Pages 112-113 for Further Details.						

50 OHM BNC

CONNECTING INNOVATION TO APPLICATION®



50 OHM BNC



- 50 Ohm Nominal Impedance.
- Quick connect & disconnect bayonet coupling design.
- Durable brass bodies with Silver or Nickel plating.
- Small & lightweight.
- Commercial and Military-Specified versions available.
- Frequency Range: Up to 4 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Outer Contacts:	Beryllium Copper or Brass (Male)
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold

ENVIRONMENTAL

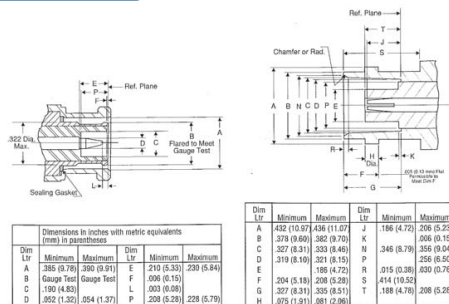
Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition B
Shock:	MIL-STD-202, Method 213, Condition B
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-202, Method 106

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 4 GHz
Voltage Rating:	500 Volts RMS
VSWR:	1.30 Max, DC to 4 GHz
Insertion Loss:	.2 dB Max at 3 GHz

MECHANICAL

Life:	500 Cycles
Cable Retention:	Non-Crimp: 40 Pounds Minimum Crimp: 10 to 40 Pounds, Depending on Cable Size



50 OHM BNC

PLUG - CONVENTIONAL

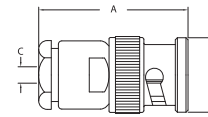


FIGURE 1

PLUG - TAPER GRIP

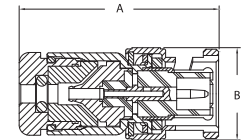


FIGURE 2

PLUGS - K-GRIP

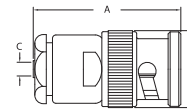


FIGURE 3

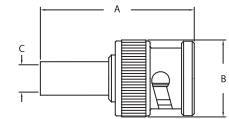


FIGURE 4

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
KC-59-S88 M06		Plug, Direct Solder	M	Nickel	0.750	0.560			49	3-81	NONE		N/S
KC-59-89		Plug, Conventional	M	Silver	1.090	0.570	0.120		B	CP-1004	NONE		1
KC-59-284		Plug, Conventional	M	Nickel	1.080	0.560			B1	CP-1004.1	NONE		1
KC-59-544	M39012/16-0101	Plug, Conventional	M	Silver	1.080	0.560			DE	CP-1050	NONE		1
KC-59-141		Plug, Conventional	M	Nickel	1.090	0.560			DE	CP-1004	NONE		1
KC-59-545	M39012/16-0102	Plug, Conventional	M	Silver	1.080	0.560			G1	CP-1050	NONE		1
KC-59-548	M39012/16-0118	Plug, Conventional	M	Silver	1.080	0.560			H	CP-1050	NONE		1
KC-59-248 M06		Plug, Conventional	M	Nickel	1.660	0.750			MN	CP-1005	NONE		1
KC-59-248		Plug, Conventional	M	Silver	1.660	0.750			M1	CP-1005	NONE		1
755-86-5	M39012/16-0220	Plug, Taper Grip	M	Silver	1.250	0.593			3	3-562	NONE		2
755-100-5		Plug, Taper Grip	M	Silver	1.250	0.593			B1	3-562	NONE		2
755-74-5	M39012/16-0101	Plug, Taper Grip	M	Silver	1.250	0.560			D	3-561	NONE		2
KC-59-175		Plug, Conventional/Crimp	M	Nickel	1.080	0.560			A	CP-228A	KTH-2008		3
KC-59-136		Plug, Conventional/Crimp	M	Silver	1.080	0.560			A	CP-228A	KTH-2008		3
KC-59-111	M39012/16B0009	Plug, Conventional/Crimp	M	Silver	1.150	0.570			C1	CP-226A-2	KTH-2007		3
KC-59-61	M39012/16B0004	Plug, Conventional/Crimp	M	Silver	1.170	0.560			D	CP-201A	KTH-2001		3
KC-59-188	M39012/16B0007	Plug, Conventional/Crimp	M	Silver	1.170	0.570			E2	CP-201A	KTH-2001		3
KC-59-239		Plug, Conventional/Crimp, Polarized	M	Silver	1.090	0.560	0.150		B	CP-225A	KTH-2024		3
KC-59-156		Plug, Conventional/Crimp, Polarized	M	Nickel	1.170	0.560			D	CP-201A	KTH-2001		3
KC-59-155		Plug, Conventional/Crimp, Polarized	M	Silver	1.170	0.560			D	CP-201A	KTH-2001		3
KC-59-288		Plug, Crimp, Booted	M	Nickel	1.910	0.560			B1	CP-425	KTH-2024		4
KC-59-184		Plug, Crimp, Booted	M	Silver	1.910	0.560			D	CP-420	KTH-2001		4
KC-59-358		Plug, Crimp, Booted	M	Nickel	1.900	0.560			G1	CP-420	KTH-2002		4

50 OHM BNC

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PLUGS - K-GRIP, JR

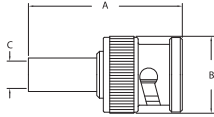


FIGURE 4

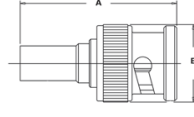


FIGURE 5

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KC-59-482		Plug, Crimp	M	Nickel	1.100	0.570			24	CP-401	KTH-2002		4
KC-59-485		Plug, Crimp	M	Nickel	1.780	0.560			81	CP-5402	KTH-2004		4
755-129-9		Plug, Crimp	M	Nickel	0.910	0.560			B1	CP-406	KTH-2032		4
KC-59-95		Plug, Crimp	M	Silver	0.910	0.560			B1	CP-406	KTH-2032		4
755-63-9		Plug, Crimp	M	Nickel	1.060	0.490			B2	3-483-2	KTH-2021		4
KC-59-107		Plug, Crimp	M	Silver	0.980	0.560	0.180		C	CP-409	KTH-2007		4
755-116-5	M39012/16-0016	Plug, Crimp	M	Silver	1.120	0.570			C1	CP-465	KTH-2007		4
755-119-5	M39012/16-0501	Plug, Crimp	M	Silver	1.120	0.560			C1	CP-465	KTH-2007		4
755-120-5	M39012/16-0502	Plug, Crimp	M	Silver	1.120	0.560			C2	CP-465	KTH-2007		4
755-114-9		Plug, Crimp	M	Nickel	1.120	0.560			D	CP-465	KTH-2001		4
755-114-5	M39012/16-0013	Plug, Crimp	M	Silver	1.120	0.560			D	CP-465	KTH-2001		4
755-122-5	M39012/16-0504	Plug, Crimp	M	Silver	1.120	0.560			D	CP-465	KTH-2001		4
755-112-9		Plug, Crimp	M	Nickel	1.120	0.560			E1	CP-465	KTH-2001		4
755-112-5	M39012/16-0014	Plug, Crimp	M	Silver	1.120	0.560			E1	CP-465	KTH-2001		4
755-121-5	M39012/16-0503	Plug, Crimp	M	Silver	1.120	0.560			E1	CP-465	KTH-2001		4
755-115-5	M39012/16-0015	Plug, Crimp	M	Silver	1.120	0.560			G1	CP-465	KTH-2002		4
755-117-5	M39012/16-0017	Plug, Crimp	M	Silver	1.120	0.560			G2	CP-465	KTH-2002		4
755-118-5	M39012/16-0020	Plug, Crimp	M	Silver	1.120	0.560			H	CP-465	KTH-2002		4
KC-59-577 M06		Plug, Crimp	M	Nickel	1.690	0.590			M1	CP-480	KTH-2004		4
755-128-9		Plug, Crimp, Weatherproof	M	Nickel	1.060	0.560	0.120		B1	CP-402	KTH-2081		5
KC-59-280		Plug, Crimp, Weatherproof	M	Silver	1.080	0.560			B1	CP-402	KTH-2081		5
KC-59-446		Plug, Crimp, Weatherproof	M	Nickel	1.140	0.560			C2	CP-5401	KTH-2067		5
755-127-9		Plug, Crimp, Weatherproof	M	Nickel	1.140	0.560			D	CP-465	KTH-2061		5
KC-59-195	M39012/16B0004	Plug, Crimp, Weatherproof	M	Silver	1.120	0.570			DE	CP-401	KTH-2061		5
KC-59-383		Plug, Crimp, Weatherproof	M	Nickel	1.130	0.570			E1	CP-472	KTH-2061		5
KC-59-232		Plug, Crimp, Weatherproof	M	Nickel	1.140	0.570			G1	CP-401	KTH-2062		5
KC-59-220	M39012/16B0008	Plug, Crimp, Weatherproof	M	Silver	1.110	0.560			G1	CP-401	KTH-2062		5
755-79-9		Plug, Crimp, Weatherproof	M	Nickel	1.330	0.593			15	3-564-1	KTH-2214		5
755-78-9		Plug, Crimp, Weatherproof	M	Nickel	1.110	0.593			16	3-546-1	KTH-2161		5
755-93-9		Plug, Crimp, Weatherproof	M	Nickel	1.140	0.593			17	3-546-1	KTH-2216		5
755-104-9		Plug, Crimp, Weatherproof	M	Nickel	1.100	0.570			19	3-546-2	KTH-2213		5
KC-59-267		Plug, Crimp, Weatherproof	M	Nickel	1.690	0.750	0.630		45	CP-5401	KTH-2161		5

50 OHM BNC

ANGLE PLUG - CONVENTIONAL

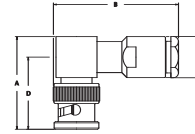


FIGURE 6

ANGLE PLUG - K-GRIP, JR.

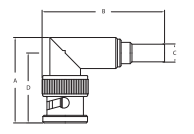


FIGURE 7

ANGLE PLUG - TAPER GRIP

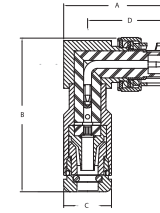


FIGURE 8

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KC-59-533	M39012/20-0101	Plug, Conventional, Angle	M	Silver	1.130	1.530	0.500	0.880	D	CP-1050	NONE		6
756-10-9		Plug, Crimp, Angle, Weatherproof	M	Nickel	1.030	1.440	0.379	0.840	15	3-546-1	KTH-2214		7
756-16-9		Plug, Crimp, Angle, Weatherproof	M	Nickel	1.130	1.740	0.379	0.890	16	3-546-1	KTH-2161		7
756-18-9		Plug, Crimp, Angle, Weatherproof	M	Nickel	1.130	1.730	0.379	0.890	17	3-546-1	KTH-2216		7
KC-59-447		Plug, Crimp, Angle, Weatherproof	M	Nickel	1.130	1.700	0.370	0.890	45	CP-5401	KTH-2161		7
KC-59-109		Plug, Crimp, Angle	M	Silver	1.030	1.430	0.370	0.840	B1	CP-406	KTH-2032		7
756-6-9		Plug, Crimp, Angle	M	Nickel	0.930	0.790	0.375	0.750	B2	3-483-1	KTH-2021		7
KC-59-408	M39012/20-0501	Plug, Crimp, Angle	M	Silver	1.700	1.130	0.570		C1	CP-465	KTH-2007		7
KC-59-418	M39012/20-0502	Plug, Crimp, Angle	M	Silver	1.130	1.700	0.370	0.890	C2	CP-465	KTH-2007		7
756-21-7	M39012/20-0006	Plug, Crimp, Angle	M	Silver	1.030	1.490	0.379	0.840	D	CP-465	KTH-2001		7
KC-59-420	M39012/20-0504	Plug, Crimp, Angle	M	Silver	1.130	1.700	0.370	0.890	D	CP-465	KTH-2001		7
KC-59-270		Plug, Crimp, Angle	M	Nickel	1.030	1.600	1.320	0.850	E1	CP-401	KTH-2001		7
756-19-7	M39012/20-0007	Plug, Crimp, Angle	M	Silver	1.030	1.490	0.379	0.840	E1	CP-465	KTH-2001		7
KC-59-419	M39012/20-0503	Plug, Crimp, Angle	M	Silver	1.130	1.700	0.370	0.890	E1	CP-465	KTH-2001		7
KC-59-287		Plug, Crimp, Angle, Weatherproof	M	Nickel	1.040	1.400	0.375	0.840	B1	CP-402	KTH-2081		7
KC-59-261		Plug, Crimp, Angle, Weatherproof	M	Nickel	1.125	1.725	0.380	1.440	D	CP-5401	KTH-2061		7
KC-59-246	M39012/20B0003	Plug, Crimp, Angle, Weatherproof	M	Silver	1.040	1.670	0.560	0.760	E1	3-334	KTH-2061		7
KC-59-444		Plug, Crimp, Angle, Weatherproof	M	Nickel	1.140	1.390	0.437	0.890	G1	CP-5401	KTH-2062		7
KC-59-212		Plug, Crimp, Angle, W/P, Polarized	M	Nickel	1.620	1.040	0.570		D	CP-401	KTH-2061		7
756-9-5	M39012/20-0101	Plug, Taper Grip, Angle	M	Silver	1.218	1.750	0.500	0.880	D	3-561	NONE		8
756-12-5	M39012/20-0102	Plug, Taper Grip, Angle	M	Silver	1.600	1.130	0.500	1.330	G1	3-561	NONE		8

50 OHM

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

ACCESSORIES

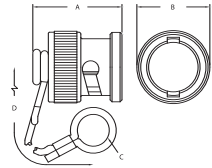


FIGURE 19

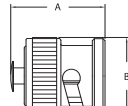


FIGURE 20

JACK - CONVENTIONAL

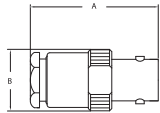


FIGURE 21

RECEPTACLE

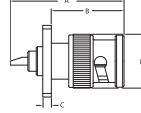


FIGURE 22

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KC-89-59		Dust Cap & Chain	M	Olive Drab	0.700	0.560	0.250	2.000	NONE	NONE	NONE		19
KC-89-87	M39012/25-0006	Dust Cap & Chain	M	Silver	0.670	0.550	0.140	2.250	NONE	NONE	NONE		19
758-42-9		Dust Cap & Nylon Cord	M	Nickel	0.700	0.560	1.250	2.000	NONE	NONE	NONE		19
KC-89-39		Dust Cap & Nylon Cord	M	Olive Drab	0.700	0.560	0.250	2.500	NONE	NONE	NONE		19
758-8-5	M39012/25-0106	Dust Cap & Nylon Cord	M	Silver	0.700	0.560	0.144	4.000	NONE	NONE	NONE		19
758-33-9		Dust Cap & Safety Chain	M	Nickel	0.670	0.570	0.030	2.700	NONE	NONE	NONE		19
758-36-101		Dust Cap & Safety Chain	M	Olive Drab	0.700	0.560	0.050	2.500	NONE	NONE	NONE		19
KC-89-88	M39012/25-0007	Dust Cap & Safety Chain	M	Silver	0.670	0.570	0.520	2.700	NONE	NONE	NONE		19
KC-89-89	M39012/25-0008	Dust Cap & Safety Chain	F	Silver	0.670	0.520	0.280	3.250	NONE	NONE	NONE		N/S
KC-89-180		Dust Cap & Wire Rope	M	Silver	0.700	0.560	0.140	4.000	NONE	NONE	NONE		19
758-42-3		Dust Cap & Wire Rope	M	Stainless	0.700	0.560	0.144	4.000	NONE	NONE	NONE		19
KC-89-93	M39012/25-0016	Shorting Plug & Chain	M	Silver	0.700	0.550	0.140	2.250	NONE	NONE	NONE		19
758-26-5		Shorting Plug	M	Silver	0.700	0.560			NONE	NONE	NONE		20
KC-89-58		Dust Cap	M	Nickel	0.640	0.550			NONE	NONE	NONE		20
KC-89-92	M39012/25-0015	Dust Cap	M	Silver	0.580	0.550			NONE	NONE	NONE		20
KC-39-30		Jack, Conventional	F	Silver	1.150	0.560			B	CP-1004.1	NONE		21
KC-39-03	M39012/17-0101	Jack, Conventional	F	Silver	1.150	0.560			D	CP-1050	NONE		21
KC-79-51		Receptacle, Panel	M	Nickel	1.190	0.760	0.090	0.560	NONE	SOLDER	NONE		22
UG-1104 A/U		Receptacle, Panel	M	Silver	1.180	0.760	0.090	0.560	NONE	SOLDER	NONE		22

50 OHM BNC

RECEPTACLES

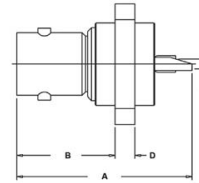


FIGURE 23

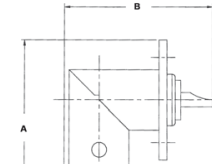


FIGURE 24

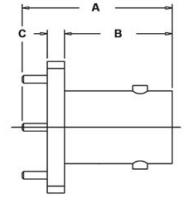


FIGURE 25

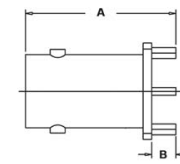


FIGURE 26

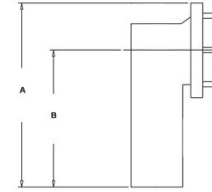


FIGURE 27

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KC-79-260 M06		Receptacle, Panel	F	Nickel	1.060	0.630	0.060	0.09	NONE	SOLDER	NONE		23
UG-447 /U		Receptacle, Panel, Rexolite Insulator	F	Silver	1.060	0.630	0.060	0.090	NONE	SOLDER	NONE		23
KC-79-109	M39012/22-0001	Receptacle, Panel, PTFE Insulator	F	Silver	1.060	0.630	0.060	0.090	NONE	SOLDER	NONE		23
KC-79-125		Receptacle, Panel, Iso Grid	F	Nickel	1.060	0.600	0.060	0.090	NONE	SOLDER	NONE		23
757-29-5		Receptacle, Panel, Iso Grid	F	Silver	1.060	0.600	0.060	0.120	NONE	SOLDER	NONE		23
UG-535 /U		Receptacle, Panel, Angle	F	Silver	1.090	0.720			NONE	SOLDER	NONE		24
757-15-9		Receptacle, PCB, Gold Contact	F	Nickel	0.780	0.560	0.090		NONE	SOLDER	NONE		25
KC-79-215		Receptacle, PCB, Gold Contact	F	Nickel	0.900	0.560	0.090		NONE	SOLDER	NONE		25
KC-79-07 M06		Receptacle, PCB, Silver Contact	F	Nickel	0.780	0.560	0.090		NONE	SOLDER	NONE		25
KC-79-168		Receptacle, PCB, Gold Contact	F	Silver	0.780	0.560	0.090		NONE	SOLDER	NONE		25
KC-79-07		Receptacle, PCB, Silver Contact	F	Silver	0.780	0.560	0.090		NONE	SOLDER	NONE		25
KC-79-274 M06		Receptacle, PCB, Gold Contact	F	Nickel	0.780	0.130			NONE	SOLDER	NONE		26
KC-79-237 M06		Receptacle, PCB, Angle	F	Nickel	1.340	0.990			NONE	SOLDER	NONE		27
KC-79-237 M07		Receptacle, PCB, Angle	F	Silver	1.340	0.990			NONE	SOLDER	NONE		27

50 OHM BNC

CONNECTING INNOVATION TO APPLICATION®



BULKHEAD RECEPTACLES

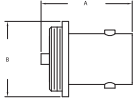


FIGURE 28

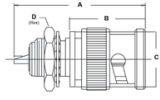


FIGURE 29

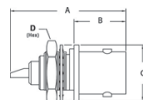


FIGURE 30

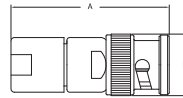


FIGURE 31

TERMINATION

50 OHM BNC

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KC-79-44 QD		Receptacle, Front Mt	F	Nickel	0.680	0.560			NONE	SOLDER	NONE		28
KC-79-59		Receptacle, Bulkhd, Front Mt	M	Nickel	1.190	0.670	0.500	0.500	NONE	SOLDER	NONE	B	29
KC-79-58		Receptacle, Bulkhd, Front Mt	M	Silver	1.190	0.670	0.500	0.500	NONE	SOLDER	NONE	B	29
KC-79-214		Receptacle, Bulkhd, Front Mt, Iso Grnd	F	Nickel	1.080	0.530	0.630	0.560	NONE	SOLDER	NONE	A	30
KC-79-131		Receptacle, Bulkhd, Front Mt	F	Nickel	1.190	0.470	0.500	0.500	NONE	SOLDER	NONE	B	30
KC-79-35		Receptacle, Bulkhd, Front Mt	F	Nickel	1.060	0.470	0.500	0.500	NONE	SOLDER	NONE	B	30
UG-1873 /U		Receptacle, Bulkhd, Front Mt	F	Silver	1.200	0.520	0.600	0.500	NONE	SOLDER	NONE		30
KC-79-106	M39012/21-0002	Receptacle, Bulkhd, Front Mt	F	Silver	1.190	0.470	0.500	0.500	NONE	SOLDER	NONE	B	30
UG-1094 /U		Receptacle, Bulkhd, Front Mt	F	Silver	1.060	0.470	0.500	0.500	NONE	SOLDER	NONE	B	30
KC-79-200		Receptacle, Bulkhd, Front Mt	F	Nickel	0.920	0.500	0.500	0.500	NONE	SOLDER	NONE	C	30
KC-79-48		Receptacle, Bulkhd, Front Mt	F	Nickel	1.060	0.470	0.500	0.500	NONE	SOLDER	NONE	C	30
754-21-5	M39012/128-0001	Receptacle, Bulkhd, Front Mt, Iso Grnd	F	Silver	1.060	0.520	0.560	0.630	NONE	SOLDER	NONE	A	30
KC-79-302 M06		Receptacle, Bulkhd, Front Mt, Iso Grd	F	Nickel	1.380	0.630	0.500	0.500	NONE	SOLDER	NONE	B	30
KC-79-155		Receptacle, Bulkhd, Front Mt, Polarized	F	Nickel	1.250	0.500	0.060		NONE	SOLDER	NONE	B	30
KC-79-110	M39012/23-0001	Receptacle, Bulkhd, Front Mt, Angle	F	Silver	0.910	1.370	0.610	1.150	NONE	SOLDER	NONE	B	N/S
KC-79-111	M39012/23-0002	Receptacle, Bulkhd, Front Mt, Angle	F	Silver	0.910	1.240	0.610	1.020	NONE	SOLDER	NONE	D	N/S
KC-79-179		Receptacle, Bulkhd, Rear Mt	F	Nickel	1.040	0.730	0.630	0.630	NONE	SOLDER	NONE	A	N/S
KC-79-74		Receptacle, Bulkhd, Rear Mt, Hermetic	F	Nickel	1.200	0.830	0.750	0.690	NONE	SOLDER	NONE	A	N/S
KC-79-107	M39012/24-0001	Receptacle, Bulkhd, Rear Mt, Hermetic	F	Silver	1.200	0.830	0.630	0.690	NONE	SOLDER	NONE	A	N/S
KC-79-150		Receptacle, Bulkhd, Rear Mt, Iso Grnd	F	Nickel	1.060	0.730	0.560	0.560	NONE	SOLDER	NONE	A	N/S
KC-79-105	M39012/21-0001	Receptacle, Bulkhd, Front Mt	F	Silver	1.060	0.470	0.500	0.500	NONE	SOLDER	NONE	D	30
KC-79-108 M06		Receptacle, Bulkhd, Front Mt, Hermetic	F	Nickel	1.200	0.530	0.500	0.590	NONE	SOLDER	NONE	B	30
KC-79-108	M39012/24-0002	Receptacle, Bulkhd, Front Mt, Hermetic	F	Silver	1.200	0.520	0.500	0.590	NONE	SOLDER	NONE	B	30
KC-79-197		Receptacle, Bulkhd, Front Mt, Iso Grnd, Gold Contact	F	Nickel	1.060	0.530	0.560	0.630	NONE	SOLDER	NONE	A	30
KC-79-67 QD		Receptacle, Bulkhd, Front Mt, Iso Grnd, Silver Contact	F	Nickel	1.060	0.480	0.560	0.630	NONE	SOLDER	NONE	A	30
1345-3-31		Termination, 50 Ohm, 1%, 1/2 Watt, Gold Contact	M	Nickel	1.000	0.560			NONE	NONE	NONE		31
KC-89-64		Termination, 50 Ohm, 1%, 1/2 Watt, Silver Contact	M	Nickel	1.440	0.560			NONE	NONE	NONE		31
1345-4-31		Termination, 50 Ohm, 1%, 1/2 Watt, w/Chain	M	Nickel	1.000	0.560			NONE	NONE	NONE		N/S
KC-89-42		Termination, 50 Ohm, 1%, 1/2 Watt, w/Chain	M	Silver	1.520	0.560			NONE	NONE	NONE		N/S
KC-89-103		Termination, 50 Ohm, 5%, 1/2 Watt	M	Nickel	1.190	0.560			NONE	NONE	NONE		31
1340-1		Termination, 50 Ohm, 5%, 2 Watt	M-F	Nickel	1.360	0.560			NONE	NONE	NONE		N/S
KC-89-163		Termination, 50 Ohm, 5%, 2 Watt	M	Nickel	1.420	0.560			NONE	NONE	NONE		31

50 OHM BNC

ADAPTERS - WITHIN SERIES

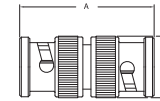


FIGURE 32

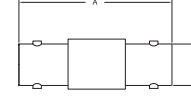


FIGURE 33

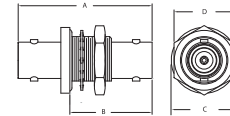


FIGURE 34

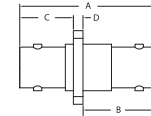


FIGURE 35

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KC-99-32		Adapter, Plug-Plug	M-M	Nickel	1.220	0.560			NONE	NONE	NONE		32
759-5	M55339/15-00491	Adapter, Plug-Plug	M-M	Silver	1.230	0.570			NONE	NONE	NONE		32
KC-99-30		Adapter, Jack-Jack	F-F	Nickel	1.280	0.440			NONE	NONE	NONE		33
759-1	M55339/16-00914	Adapter, Jack-Jack	F-F	Silver	1.280	0.440			NONE	NONE	NONE		33
KC-99-95 M06		Adapter, Bulkhd, Jack-Jack	F-F	Nickel	1.280	0.730	0.680	0.630	NONE	NONE	NONE	A	34
759-9	M55339/13-00001	Adapter, Bulkhd, Jack-Jack	F-F	Silver	1.400	0.860	0.630	0.630	NONE	NONE	NONE	A	34
KC-99-38		Adapter, Bulkhd, Hermetic, Jack-Jack	F-F	Nickel	1.530	0.860	0.690	0.750	NONE	NONE	NONE	A	34
759-2	M55339/13-00492	Adapter, Bulkhd, Hermetic, Jack-Jack	F-F	Silver	1.530	0.860	0.690	0.630	NONE	NONE	NONE	A	34
KC-99-54		Adapter, Bulkhd, Iso Grd, Jack-Jack	F-F	Nickel	1.280	0.800	0.630	0.630	NONE	NONE	NONE	A	34
KC-99-40		Adapter, Bulkhd, Iso Grd, Jack-Jack	F-F	Silver	1.280	0.800	0.630	0.630	NONE	NONE	NONE	A	34
KC-99-56		Adapter, Panel, Jack-Jack	F-F	Nickel	1.280	0.500	0.440	0.090	NONE	NONE	NONE		35

50 OHM BNC

CONNECTING INNOVATION TO APPLICATION®



ADAPTERS - WITHIN SERIES

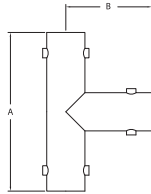


FIGURE 36

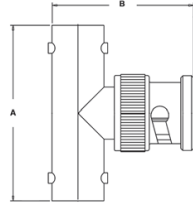


FIGURE 37

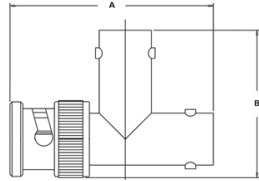


FIGURE 38

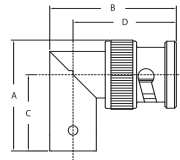


FIGURE 39

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KC-99-37		Adapter, Tee, Jack-Jack-Jack	F-F-F	Nickel	1.281	0.703			NONE	NONE	NONE		36
KC-99-20		Adapter, Tee, Jack-Jack-Jack	F-F-F	Silver	1.280	0.700			NONE	NONE	NONE		36
759-3	M55339/17-00274	Adapter, Tee, Jack-Plug-Jack	F-M-F	Silver	1.280	1.060			NONE	NONE	NONE		37
KC-99-52		Adapter, Tee, Jack-Plug-Jack, Gold Contact	F-M-F	Nickel	1.280	1.060			NONE	NONE	NONE		37
KC-99-31		Adapter, Tee, Jack-Plug-Jack, Silver Contact	F-M-F	Nickel	1.280	1.060			NONE	NONE	NONE		37
KC-99-108 M06		Adapter, Tee, Plug-Jack-Jack, Gold Contact	M-F-F	Nickel	1.480	0.980			NONE	NONE	NONE		38
KC-99-53		Adapter, Tee, Plug-Jack-Jack, Silver Contact	M-F-F	Nickel	1.480	0.980			NONE	NONE	NONE		38
KC-99-35		Adapter, Angle, Jack-Plug	F-M	Nickel	0.900	1.030	0.620	0.840	NONE	NONE	NONE		39
759-4	M55339/14-00306	Adapter, Angle, Jack-Plug	F-M	Silver	0.900	1.030	0.720	0.850	NONE	NONE	NONE		39

BMA SERIES



SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Annealed Copper Alloy
Center Contacts:	Brass (Male) Copper Alloy (Female)
Outer Contacts:	Beryllium Copper
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Gold
Center Contacts:	Gold

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 18 GHz
Insulation Resistance:	5,000 Megaohms Minimum
Contact Resistance:	2.0 Milliohms Maximum
VSWR:	RG-402 1.02 + .005f (GHz) RG-405 1.02 + .008f (GHz)

- 50 Ohm Nominal Impedance.
- Blind mate design.
- Slide-on, non-locking interface allows multiple connectors to be mated simultaneously.
- Hot-mateable, can be mated while power is on.
- Designed to the interface dimensions of MIL-STD-348.
- Frequency Range: DC to 18 GHz

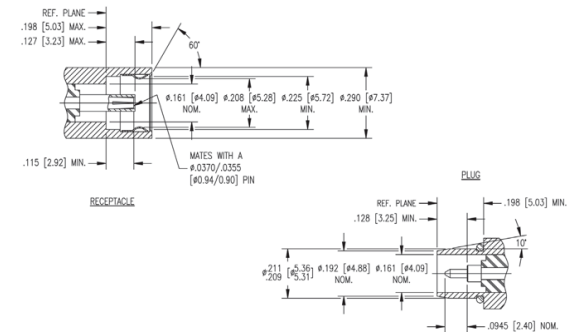
MECHANICAL

Life:	500 Cycles
Insertion Force:	3.0 Pounds Maximum
Withdrawal Force:	0.5 Pounds Minimum
Center Contact Retention:	6.0 Pounds Minimum
Allowable Misalignment:	0.020" Radial, 0.060" Axial (Float Mount) 0.008" Radial, 0.015" Axial (Rigid Mount)

ENVIRONMENTAL

Temperature Range:	-65° C to +125° C
Vibration:	MIL-STD-202, Method 204, Condition D
Shock:	MIL-STD-202, Method 213, Condition I
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-202, Method 106

INTERFACE DIMENSIONS



BMA SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

CABLE JACKS, CRIMP TYPE - FLEXIBLE CABLE

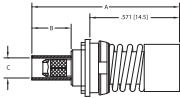


FIGURE 1

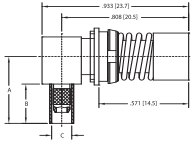


FIGURE 2

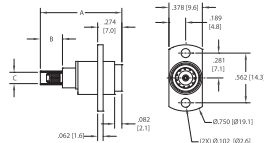


FIGURE 3

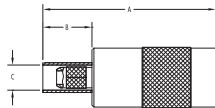


FIGURE 4

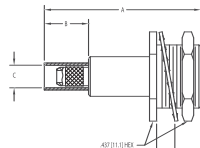


FIGURE 5

CABLE PLUGS, CRIMP TYPE - FLEXIBLE CABLE

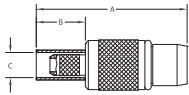


FIGURE 6

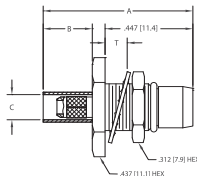


FIGURE 7

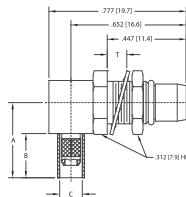


FIGURE 8

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole #	Figure #
361-922-0630H		Jack, Floating, Crimp	F	Gold	0.940	0.250	0.128		B	CAP9-11	KTH-2011	A	1
363-922-0630H		Jack, Angle, Floating, Crimp	F	Gold	0.425	0.250	0.128		B	CAP9-12	KTH-2011	A	2
361-994-0630H		Jack, Floating, Crimp	F	Gold	0.922	0.250	0.128	0.125	B	CAP9-11	KTH-2011	F	3
361-900-0630H		Jack, Crimp	F	Gold	0.880	0.250	0.128		B	CAP9-11	KTH-2011		4
361-995-0630H		Jack, Bulkhead, Crimp	F	Gold	0.885	0.250	0.128	0.125	B	CAP9-11	KTH-2011	G	5
360-900-0630H		Plug, Crimp	M	Gold	0.768	0.250	0.128		B	CAP9-11	KTH-2011		6
360-974-0630H		Plug, Bulkhead, Crimp	M	Gold	0.762	0.250	0.128	0.125	B	CAP9-11	KTH-2011	E	7
362-974-0630H		Plug, Angle, Bulkhead, Crimp	M	Gold	0.425	0.250	0.128	0.125	B	CAP9-12	KTH-2011	E	8

BMA SERIES

CABLE JACKS, SOLDER TYPE - SEMI-RIGID CABLE

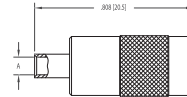


FIGURE 9

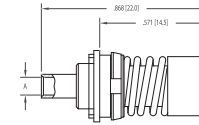


FIGURE 10

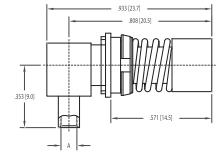


FIGURE 11

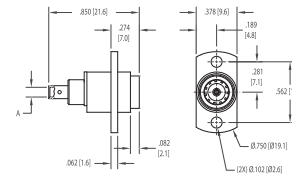


FIGURE 12

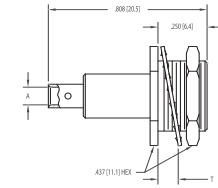


FIGURE 13

CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

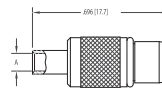


FIGURE 14

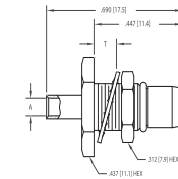


FIGURE 15

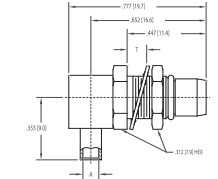


FIGURE 16

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole #	Figure #
361-500-1410H		Jack, Solder	F	Gold	0.145				49	CAP5-24			9
361-500-0850H		Jack, Solder	F	Gold	0.090				50	CAP5-24			9
361-522-1410H		Jack, Floating, Solder	F	Gold	0.145				49	CAP5-24		A	10
361-522-0850H		Jack, Floating, Solder	F	Gold	0.090				50	CAP5-24		A	10
363-522-1410H		Jack, Angle, Floating, Solder	F	Gold	0.145				49	CAP5-25		A	11
363-522-0850H		Jack, Angle, Floating, Solder	F	Gold	0.090				50	CAP5-25		A	11
361-594-1410H		Jack, Floating, Solder	F	Gold	0.145			0.125	49	CAP5-24		F	12
361-594-0850H		Jack, Floating, Solder	F	Gold	0.090			0.125	50	CAP5-24		F	12
361-595-1410H		Jack, Bulkhead, Solder	F	Gold	0.145			0.125	49	CAP5-24		G	13
361-595-0850H		Jack, Bulkhead, Solder	F	Gold	0.090			0.125	50	CAP5-24		G	13
360-500-1410H		Plug, Solder	M	Gold	0.145				49	CAP5-24			14
360-500-0850H		Plug, Solder	M	Gold	0.090				50	CAP5-24			14
360-574-1410H		Plug, Bulkhead, Solder	M	Gold	0.145			0.125	49	CAP5-24		E	15
360-574-0850H		Plug, Bulkhead, Solder	M	Gold	0.090			0.125	50	CAP5-24		E	15
362-574-1410H		Plug, Angle, Bulkhead, Solder	M	Gold	0.145			0.125	49	CAP5-25		E	16
362-574-0850H		Plug, Angle, Bulkhead, Solder	M	Gold	0.090			0.125	50	CAP5-25		E	16

BMA SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

PCB PLUGS

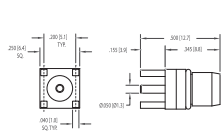


FIGURE 17

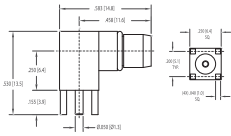


FIGURE 18

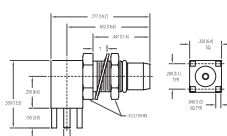


FIGURE 19

PCB JACKS

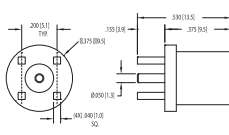


FIGURE 20

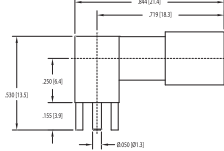


FIGURE 21

PANEL PLUGS

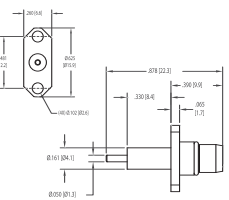


FIGURE 22_1

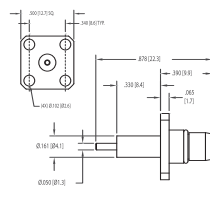


FIGURE 22_2

PANEL JACKS

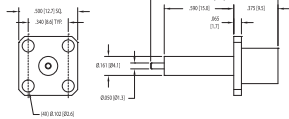


FIGURE 23_1

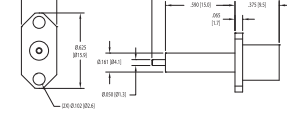


FIGURE 23_2

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
360-060-0040H		Plug, PWB	M	Gold	A	B	C	T				B	17
362-060-0040H		Plug, Angle, PWB	M	Gold								B	18
362-074-6040H		Plug, Angle, Bulkhead, PWB	M	Gold				0.125				B & E	19
361-060-0040H		Jack, PWB	F	Gold								B	20
363-060-0040H		Jack, Angle, PWB	F	Gold								B	21
360-066-0040H		Receptacle, Panel	M	Gold								D	22_1
360-065-0040H		Receptacle, Panel	M	Gold								C	22_2
361-065-0040H		Receptacle, Panel	F	Gold								C	23_1
361-066-0040H		Receptacle, Panel	F	Gold								D	23_2

C SERIES



SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Outer Contacts:	Beryllium Copper (Male)
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

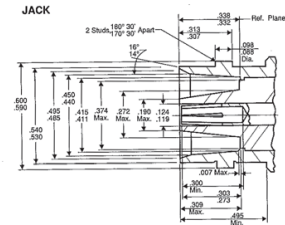
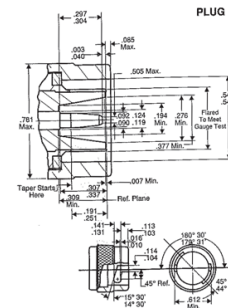
FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold or Silver

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 11 GHz
Voltage Rating:	1000 Volts RMS
VSWR:	1.35 Max, DC to 11 GHz
Insertion Loss:	.15 dB Max at 9 GHz

INTERFACE DIMENSIONS



- 50 Ohm Nominal Impedance.
- Standard size connector with bayonet coupling.
- Durable brass bodies with Silver or Nickel plating.
- Overlapping dielectric interface with weatherproof features.
- Commercial and Military-Specified versions available.
- Frequency Range: Up to 11 GHz

MECHANICAL

Life:	500 Cycles
Cable Retention:	50 Pounds Minimum

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition B
Shock:	MIL-STD-202, Method 213, Condition I
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-202, Method 106

C SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

ANGLE PLUG - CONVENTIONAL

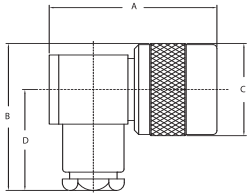


FIGURE 1

ANGLE PLUG - K-GRIP

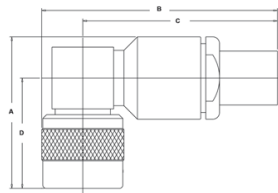


FIGURE 2

ANGLE PLUG - K-GRIP, JR.

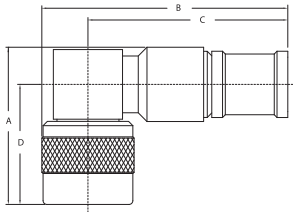


FIGURE 3

ADAPTER - WITHIN SERIES

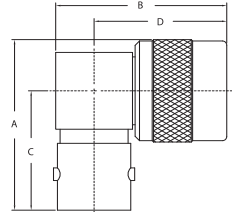


FIGURE 4

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KD-59-47		Plug, Angle, Conventional	M	Silver	1.330	1.200	0.750	0.820	DE	CP-1025			1
KD-59-84		Plug, Angle, Conventional	M	Nickel	1.350	1.620	0.750	0.970	MN	CP-1030			1
KD-59-134	M39012/10-0001	Plug, Angle, Conventional	M	Silver	1.360	1.640	0.780	1.260	N1	D-59-134-5			1
KD-59-26		Plug, Angle, Crimp	M	Silver	1.350	2.110	1.740	0.970	E1	CP-5406	KTH-2004		2
KD-59-110		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.270	2.160	1.780	0.970	2	CP-5402	KTH-1079		3
KD-59-126		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.300	2.080	1.720	0.970	45	CP-5406	KTH-2103		3
KD-59-187 M06		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.270	1.910	1.540	0.970	12	CP-5402	KTH-2127		3
796-15-9		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.300	2.090	1.710	0.970	16	3-546-2	KTH-2211		3
796-17-9		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.300	2.050	1.670	0.970	17	3-546-2	KTH-2231		3
796-18-9		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.300	2.150	1.770	0.970	18	3-546-2	KTH-2212		3
KD-59-110 M07		Plug, Angle, Crimp, Weatherproof	M	Silver	1.270	2.000	1.630	0.970	2	CP-5402	KTH-1079		3
796-11-9		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.300	2.340	1.960	0.970	9	3-440-2	KTH-2062		3
KD-59-129		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.300	2.110	1.740	0.970	D	CP-5406	KTH-2101		3
KD-59-202 M06		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.300	2.110	1.740	0.970	E	CP-5406	KTH-2101		3
KD-59-193 M06		Plug, Angle, Crimp, Weatherproof	M	Nickel	1.270	2.000	1.630	0.970	N3	5-89-24-6	KTH-2105		3
799-5	M55339/10-00567	Adapter, Angle	M-F	Silver	1.250	1.270	0.880	0.970					4
798-7-9		Dust Cap	M	Nickel	0.685	0.781							N/S
KD-89-08	M39012/25-0002	Dust Cap & Safety Chain	M	Silver	0.910	0.750	3.500						N/S

C SERIES

PLUGS - CONVENTIONAL

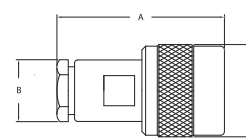


FIGURE 5

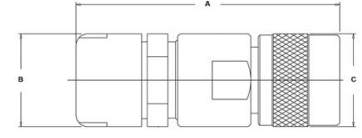


FIGURE 6

PLUGS - K-GRIP, JR.

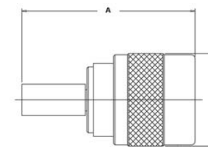


FIGURE 7

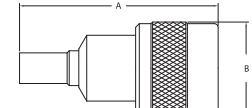


FIGURE 8

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KD-59-130	M39012/15-0002	Plug, Conventional	M	Silver	1.340	0.500	0.750		DE	CP-1015			5
KD-59-135	M39012/15-0001	Plug, Conventional	M	Silver	1.360	0.500	0.750		G1	CP-1013-3			5
KD-59-132	M39012/16-0001	Plug, Conventional	M	Silver	1.300	0.750	0.750		K1	CP-1022			5
795-10-5	M39012/06-0014	Plug, Conventional	M	Silver	1.470	0.750	0.750		K1	CP-1016			5
KD-59-119	M39012/06-0002	Plug, Conventional	M	Silver	1.470	0.750	0.750		MN	CP-1022			5
795-9-5	M39012/06-0015	Plug, Conventional	M	Silver	1.450	0.750	0.750		N1	CP-1016			5
KD-59-133	M39012/06-0003	Plug, Conventional	M	Silver	1.630	0.880	0.750		R	CP-1040			5
UG-943 B/U		Plug, Conventional	M	Silver	2.130	0.750	0.750		U	CP-1040			6
KD-59-63		Plug, Crimp	M	Silver	1.400	0.750			E1	CP-403	KTH-2001		7
KD-59-125		Plug, Crimp, Weatherproof	M	Nickel	1.630	0.750			45	CP-5406	KTH-2103		8
KD-59-186 M06		Plug, Crimp, Weatherproof	M	Nickel	1.500	0.750			12	CP-5402	KTH-2127		8
795-15-9		Plug, Crimp, Weatherproof	M	Nickel	1.615	0.781			16	3-546-2	KTH-2211		8
795-21-9		Plug, Crimp, Weatherproof	M	Nickel	1.660	0.781			17	3-546-2	KTH-2231		8
795-16-9		Plug, Crimp, Weatherproof	M	Nickel	1.400	0.781			18	3-546-2	KTH-2212		8
795-23-9		Plug, Crimp, Weatherproof	M	Nickel	1.500	0.781			18	3-546-2	KTH-2213		8
KD-59-164		Plug, Crimp, Weatherproof	M	Nickel	1.500	0.750			2	CP-5402	KTH-1079		8
795-20-9		Plug, Crimp, Weatherproof	M	Nickel	1.800	0.781			20	3-546-2	KTH-2229		8
795-13-9		Plug, Crimp, Weatherproof	M	Nickel	1.310	0.750			9	3-440-2	KTH-2062		8
KD-59-161		Plug, Crimp, Weatherproof	M	Nickel	1.660	0.750			D	CP-5406	KTH-2101		8
KD-59-201 M06		Plug, Crimp, Weatherproof	M	Nickel	1.660	0.750			E1	CP-5406	KTH-2101		8
795-30-9		Plug, Crimp, Weatherproof	M	Nickel	1.500	0.750			E1	CP-5402	KTH-2105		8
KD-59-180 M06		Plug, Crimp, Weatherproof	M	Nickel	1.500	0.750			N3	CP-5402	KTH-2105		8

C SERIES

CONNECTING INNOVATION TO APPLICATION®



BULKHEAD JACKS - CONVENTIONAL

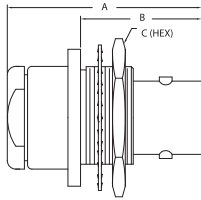


FIGURE 9

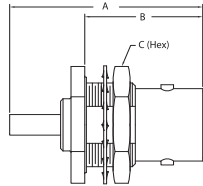


FIGURE 10

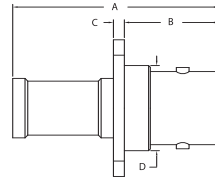


FIGURE 11

PANEL RECEPTACLE

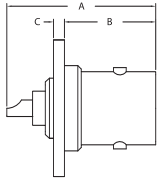


FIGURE 12

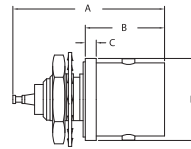


FIGURE 13

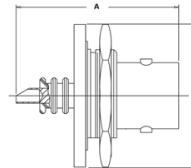


FIGURE 14

C SERIES

PANEL JACK - K-GRIP, JR.

BULKHEAD RECEPTACLES

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KD-19-65	M39012/09-0002	Jack, Bulkhd, Conventional, Front Mt.	F	Silver	1.270	0.590			DE	704C-1		I	N/S
KD-19-61	M39012/11-0001	Jack, Bulkhd, Conventional, Rear Mt.	F	Silver	1.420	0.890			K	573C-1		J	9
KD-19-73	M39012/11-0002	Jack, Bulkhd, Conventional, Rear Mt.	F	Silver	1.420	0.890			MN	573C-1		I	9
KD-19-72	M39012/08-0001	Jack, Panel, Conventional	F	Silver	1.375	0.688	0.078	0.630	MN	CP-1002			N/S
KD-19-110		Jack, Bulkhd, Crimp, Rear Mt.	F	Silver	1.500	0.860	0.880		B2	CP-5458	KTH-2021	I	10
KD-19-93		Jack, Bulkhd, Crimp, Rear Mt.	F	Silver	1.470	0.750			D	CP-412	KTH-2001	J	10
KD-19-101		Jack, Bulkhd, Crimp, Rear Mt.	F	Silver	1.810	0.890			N	CP-480	KTH-2004	J	10
KD-19-69		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.390	0.490	0.080	0.500	45	CP-5406	KTH-2103		11
KD-19-105 M06		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.510	0.690	0.080	0.620	12	CP-5402	KTH-2127		11
791-9-9		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.360	0.690	0.080	0.620	16	3-546-2	KTH-2211		11
791-8-9		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.390	0.690	0.080	0.620	17	3-546-2	KTH-2231		11
791-6-9		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.410	0.690	0.080	0.620	18	3-546-2	KTH-2212		11
KD-19-66		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.510	0.690	0.080	0.620	2	CP-5402	KTH-1079		11
KD-19-68		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.390	0.530	0.080	0.500	D	CP-5406	KTH-2101		11
KD-19-67		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.390	0.490	0.080	0.500	E1	CP-5406	KTH-2101		11
KD-19-104 M06		Jack, Panel, Crimp, Weatherproof	F	Nickel	1.510	0.690	0.080	0.620	N3	CP-5402	KTH-2105		11
791-10-9		Jack, Panel, Crimp, Locking Thread, W/P	F	Nickel	1.410	0.690	0.080	0.620	18	3-546-2	KTH-2212		11
KD-79-19		Receptacle, Panel	F	Nickel	1.080	0.670	0.080			SOLDER			12
KD-79-14	M39012/12-0001	Receptacle, Panel	F	Silver	1.080	0.670	0.080			SOLDER			12
794-3-9		Receptacle, Bulkhd, Front Mt	F	Nickel	1.110	0.580	0.080	0.690		SOLDER		H	13
KD-79-13	M39012/13-0001	Receptacle, Bulkhd, Front Mt	F	Silver	1.110	0.580	0.800	0.600		SOLDER		H	13
794-4-9		Receptacle, Bulkhd, Rear Mt	F	Silver	1.310			1.000		SOLDER		J	14

23

K-LOC® SERIES



- 50 Ohm Nominal Impedance.
- Positive-lock coupling mechanism.
- Designed to replace BNC connectors in high-density applications.
- Small & lightweight.
- Interchangeable with equivalent Lemo® type connectors.

SPECIFICATIONS

MATERIAL

Body:	Brass or Beryllium Copper
Crimp Sleeves:	Commercial Bronze Alloy
Center Contacts:	Brass or Beryllium Copper (Male) Beryllium Copper (Female)
Outer Contacts:	Beryllium Copper (Male)
Insulators:	PTFE

FINISHES

Body:	Nickel
Center Contacts:	Gold

ELECTRICAL

Impedance:	50 Ohms
Voltage Rating:	500 Volts RMS
Insulation Resistance:	5000 Megohms
Contact Resistance:	6 Milliohms

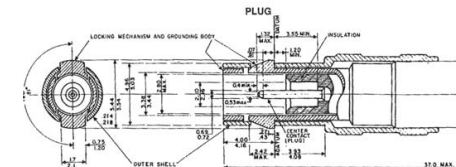
MECHANICAL

Life:	500 Cycles
Cable Retention:	10 to 40 Pounds (Depending on Cable)

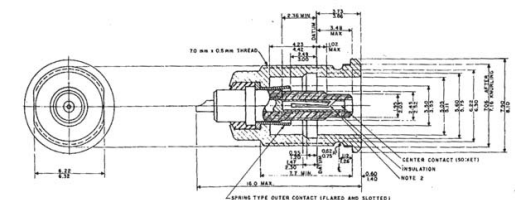
ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Corrosion:	MIL-STD-202, Method 101, Condition B

INTERFACE DIMENSIONS



JACK



24

WINCHESTER ELECTRONICS CORPORATION | RF CONNECTORS

K-LOC® SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

STRAIGHT PLUGS - K-GRIP, JR.

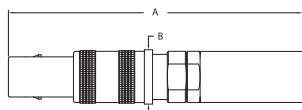


FIGURE 1

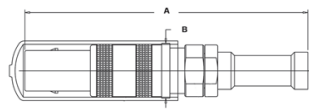


FIGURE 2

RECEPTACLES

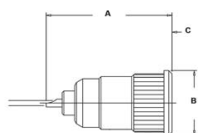


FIGURE 3

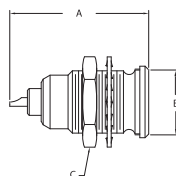


FIGURE 4

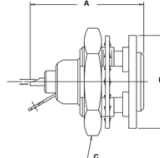


FIGURE 5

ADAPTER - WITHIN SERIES

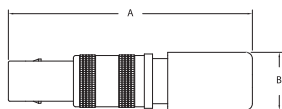
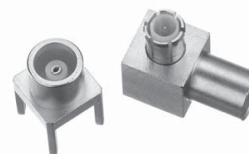


FIGURE 6

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1075-2		Plug, Crimp	M	Nickel	A	B	C	D	D	CP-458	KTH-2027		1
1075-1		Plug, Weatherproof Crimp	M	Nickel	1.370	0.270			B	CP-459	KTH-2082		2
1075-13-9		Plug, Weatherproof Crimp	M	Nickel	1.430	0.270			16	3-644-1	KTH-2232		2
1074-5		Receptacle	F	Nickel	0.610	0.310	0.040			SOLDER		K	3
1074-1 QD		Receptacle, Bulkhd, Front Mt	F	Nickel	0.610	0.310	0.340			SOLDER		L	4
1074-4		Receptacle, Bulkhd, Iso Ground	F	Nickel	0.610	0.500	0.500			SOLDER		M	5
1725-1		Termination, 50 Ohm, 1%	M	Nickel	1.190	0.280							6
1079-7		Within Series Adapter, Bulkhd	F-F	Nickel	0.820	0.400	0.340	0.040				L	N/S

MCX SERIES



- Snap-on interface.
- 1/3 smaller than the SMB connector series.
- Available in 50 and 75 Ohm versions.
- Straight, right angle, and PCB styles available.
- Durable brass bodies with Gold or Nickel plating.
- Small & lightweight.
- Frequency Range: Up to 6 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Annealed Copper Alloy
Center Contacts:	Brass (Male) Copper Alloy (Female)
Insulators:	PTFE

FINISHES

Body:	Gold or Nickel
Center Contacts:	Gold

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 6 GHz
VSWR for	
RG 316/U or similar:	1.30 Maximum
Insertion Loss:	0.1 dB at 1 GHz
Insulation Resistance:	1,000 Megohms Minimum
Contact Resistance:	Center Contact: 5.0 Milliohms Max
Outer Contact:	1.0 Milliohms Maximum

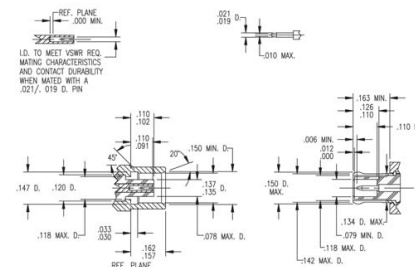
MECHANICAL

Life:	500 Cycles
Engagement Force:	5.6 Pounds Maximum
Disengagement Force:	1.8 Pounds Minimum 4.5 Pounds Maximum
Contact Captivation :	2.3 Pounds Minimum

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition B
Shock:	MIL-STD-202, Method 102, Condition C
Corrosion:	MIL-STD-202, Method 101, Condition B

INTERFACE DIMENSIONS



MCX SERIES

CONNECTING INNOVATION TO APPLICATION®



CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

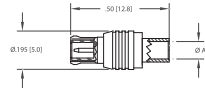


FIGURE 1

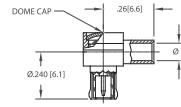


FIGURE 2

CABLE PLUGS, CRIMP TYPE - FLEXIBLE CABLE

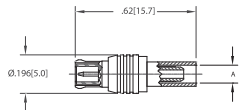


FIGURE 3

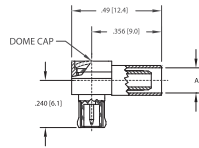


FIGURE 4

CABLE JACK, SOLDER TYPE SEMI-RIGID CABLE

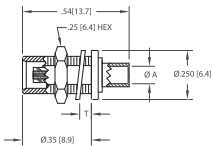


FIGURE 5

CABLE JACK, CRIMP TYPE FLEXIBLE CABLE

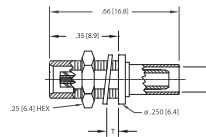


FIGURE 6

MCX SERIES

MCX SERIES

PCB PLUGS

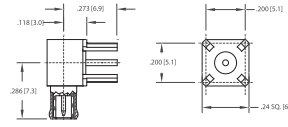


FIGURE 7

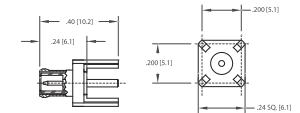


FIGURE 8

PCB JACKS

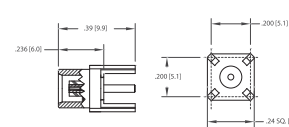


FIGURE 9

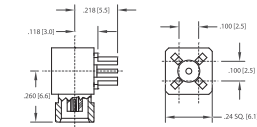


FIGURE 10_1

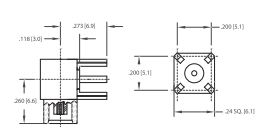


FIGURE 10_2

SURFACEMOUNT JACKS

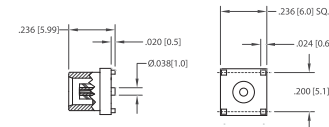


FIGURE 11

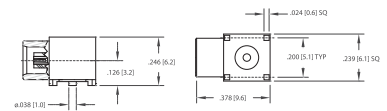


FIGURE 12

Item Number	Military PN	Product Description	Gender	Finish	Dimensions			T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
450-500-0850H		Plug, Solder	M	Gold	0.090				48	CAP5-11			1
450-500-1410H		Plug, Solder	M	Gold	0.144				49	CAP5-11			1
450-500-0470H		Plug, Solder	M	Gold	0.052				51	CAP5-11			1
452-500-0850H		Plug, Angle, Solder	M	Gold	0.090				48	CAP5-12			2
452-500-1410H		Plug, Angle, Solder	M	Gold	0.144				49	CAP5-12			2
452-500-0470H		Plug, Angle, Solder	M	Gold	0.052				51	CAP5-12			2
450-900-0631H		Plug, Crimp	M	Gold	0.142				3	CAP9-08	KTH-2015		3
450-900-0360H		Plug, Crimp	M	Gold	0.091				A	CAP9-08	KTH-2008		3
450-900-0630H		Plug, Crimp	M	Gold	0.128				B	CAP9-08	KTH-2011		3
452-900-0631H		Plug, Angle, Crimp	M	Gold	0.142				3	CAP9-09	KTH-2015		4
452-900-0360H		Plug, Angle, Crimp	M	Gold	0.091				A	CAP9-09	KTH-2008		4
452-900-0630H		Plug, Angle, Crimp	M	Gold	0.128				B	CAP9-09	KTH-2011		4
451-580-0850H		Jack, Bulkhead, Solder	F	Gold	0.090			0.196	48	CAP5-11		P	5
451-580-1410H		Jack, Bulkhead, Solder	F	Gold	0.144			0.196	49	CAP5-11		P	5
451-580-0470H		Jack, Bulkhead, Solder	F	Gold	0.052			0.196	51	CAP5-11		P	5
451-980-0631H		Jack, Bulkhead, Crimp	F	Gold	0.142			0.196	3	CAP9-08	KTH-2015		6
451-980-0360H		Jack, Bulkhead, Crimp	F	Gold	0.091			0.196	A	CAP9-08	KTH-2008		6
451-980-0630H		Jack, Bulkhead, Crimp	F	Gold	0.128			0.196	B	CAP9-08	KTH-2011		6

* For Nickel Plated Version, Change H to N in Part Number

MMCX SERIES

CONNECTING INNOVATION TO APPLICATION®



MMCX SERIES



- 50 Ohm Nominal Impedance.
- Snap-on interface for quick connect & disconnect.
- 1/3 smaller than the MCX series.
- Cable, right angle, and edge card styles available.
- Frequency Range: Up to 6 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Annealed Copper Alloy
Contacts:	Copper Alloy (Female) Brass (Male)
Spring Rings:	Copper Alloy
Insulators:	PTFE

FINISHES

Body:	Gold or Nickel
Center Contacts:	Gold

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition D
Shock:	MIL-STD-202, Method 102, Condition C
Corrosion:	MIL-STD-202, Method 101, Condition B

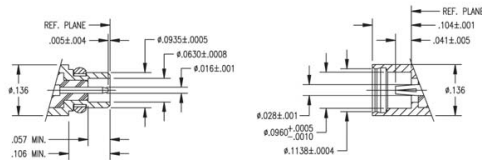
ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 6 GHz
Contact Resistance:	Center Contact: 5.0 Milliohms Maximum Outer Contact: 2.5 Milliohms Maximum
Insulation Resistance:	1,000 Megohms Minimum

MECHANICAL

Life:	500 Cycles
Engagement Force:	3.4 Pounds Maximum
Disengagement Force:	1.4 Pounds Minimum
Contact Captivation:	2.3 Pounds Minimum

INTERFACE DIMENSIONS



MMCX SERIES

CABLE PLUGS, CRIMP TYPE - FLEXIBLE CABLE

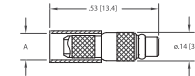


FIGURE 1

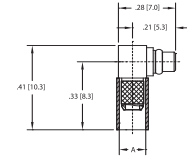


FIGURE 2

CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

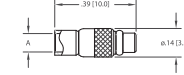


FIGURE 3

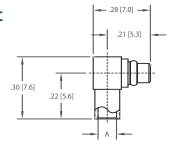


FIGURE 4

CABLE JACK, SOLDER TYPE SEMI-RIGID CABLE

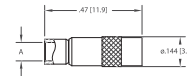


FIGURE 5

CABLE JACK, CRIMP TYPE FLEXIBLE CABLE

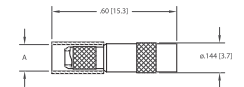


FIGURE 6

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
470-900-0631H		Plug, Crimp	M	Gold	0.142				3	CAP9-17	KTH-2015		1
470-900-0361H		Plug, Crimp	M	Gold	0.106				52	CAP9-17	KTH-2011		1
470-900-1000H		Plug, Crimp	M	Gold	0.128				82	CAP9-17	KTH-2011		1
470-900-0360H		Plug, Crimp	M	Gold	0.091				A	CAP9-17	KTH-2008		1
470-900-0630H		Plug, Crimp	M	Gold	0.128				B	CAP9-17	KTH-2011		1
472-900-0631H		Plug, Angle, Crimp	M	Gold	0.142				3	CAP9-18	KTH-2015		2
472-900-0361H		Plug, Angle, Crimp	M	Gold	0.106				52	CAP9-18	KTH-2011		2
472-900-1000H		Plug, Angle, Crimp	M	Gold	0.128				82	CAP9-18	KTH-2011		2
472-900-0360H		Plug, Angle, Crimp	M	Gold	0.091				A	CAP9-18	KTH-2008		2
472-900-0630H		Plug, Angle, Crimp	M	Gold	0.128				B	CAP9-18			2
471-900-0631H		Jack, Crimp	F	Gold	0.142				3	CAP9-17	KTH-2015		3
471-900-0361H		Jack, Crimp	F	Gold	0.106				52	CAP9-17	KTH-2011		3
471-900-1000H		Jack, Crimp	F	Gold	0.128				82	CAP9-17	KTH-2011		3
471-900-0360H		Jack, Crimp	F	Gold	0.091				A	CAP9-17	KTH-2008		3
471-900-0630H		Jack, Crimp	F	Gold	0.128				B	CAP9-17	KTH-2011		3
472-900-0850H		Plug, Angle, Solder	M	Gold	0.090				50	CAP5-18			4
472-900-0470H		Plug, Angle, Solder	M	Gold	0.052				51	CAP5-18			4
470-500-0850H		Plug, Solder	M	Gold	0.090				50	CAP5-17			5
470-500-0470H		Plug, Solder	M	Gold	0.052				51	CAP5-17			5
471-500-0850H		Jack, Solder	F	Gold	0.090				50	CAP5-17			6
471-500-0470H		Jack, Solder	F	Gold	0.052				51	CAP5-17			6

* For Nickel Plated Version, Change H to N in Part Number

PCB JACKS

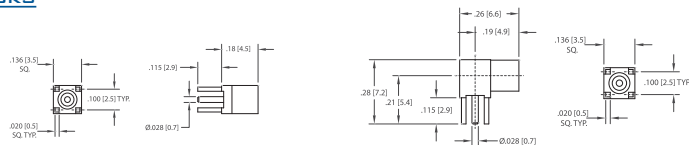


FIGURE 7

FIGURE 8

PCB PLUG

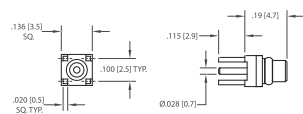


FIGURE 9

END LAUNCH JACK

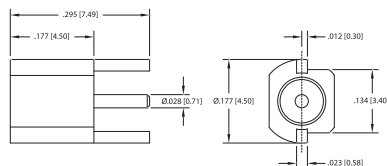
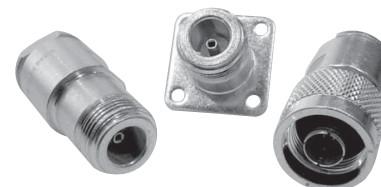


FIGURE 10

[illegible]

N SERIES



- 50 Ohm Nominal Impedance.
- Threaded coupling withstands shock and vibration.
- Durable brass bodies with Silver or Nickel plating.
- Keyed versions available to prevent mismatching in critical applications.
- Commercial and Military-Specified versions available.
- Frequency Range: Up to 11 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass or Stainless Steel
Crimp Sleeves:	Commercial Bronze Alloy
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Outer Contacts:	Phosphor Bronze (Male)
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

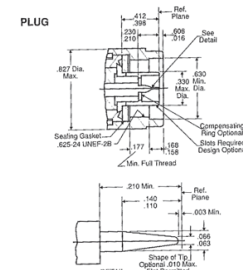
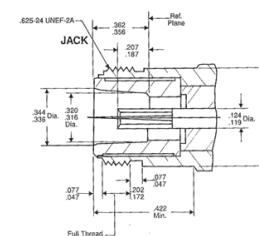
FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 11 GHz
Voltage Rating:	1000 Volts RMS
VSWR:	1.30 Max, DC to 11 GHz
Insertion Loss:	.15 dB Max at 9 GHz

INTERFACE DIMENSIONS



N SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

RECEPTACLES

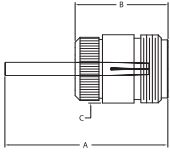


FIGURE 19

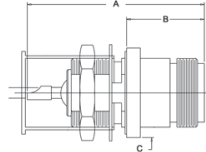


FIGURE 20

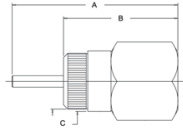


FIGURE 21

PANEL RECEPTACLES

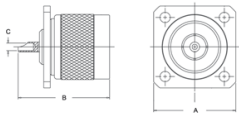


FIGURE 22

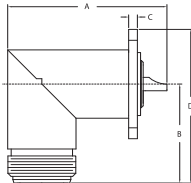


FIGURE 23

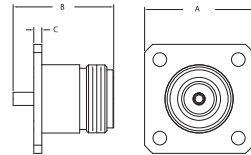


FIGURE 24

TERMINATION

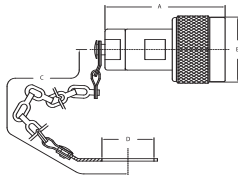


FIGURE 25

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1204-12-5		Receptacle	F	Silver	1.480	0.850	0.630						19
1204-20-9		Receptacle	F	Nickel	1.340	0.780	0.630						19
KN-79-69	M39012/04-0001	Receptacle	F	Silver	1.610	0.710	0.810						20
1204-17-5		Receptacle	M		1.710	1.180	0.810						21
KN-79-45 M06		Receptacle, Panel	M	Nickel	1.000	1.110	0.080	0.780					22
1207-27-5		Receptacle, Panel, Angle	F	Silver	1.880	1.050	0.080	1.570					23
UG-997 A/U		Receptacle, Panel, Angle	F	Silver	1.520	0.910	0.080	1.410					23
1207-14-9		Receptacle, Panel	F	Nickel	1.000	0.916	0.080						24
1207-29-9		Receptacle, Panel	F	Nickel	0.690	1.177	0.080						24
KN-79-70	M39012/04-0002	Receptacle, Panel	F	Silver	1.000	1.130	0.080	0.630					24
1208-10-5		Termination	M	Silver	1.590	0.780	3.750	0.640					25
1208-28-5		Termination	M	Silver	1.590	0.780	8.000	0.640					25
1385-13-9		Termination	M	Nickel	1.530	0.780	3.750	0.640					25
1385-17-9		Termination	M	Nickel	1.530	0.780	N/A	N/A					25

N SERIES

N SERIES

ADAPTERS - WITHIN SERIES

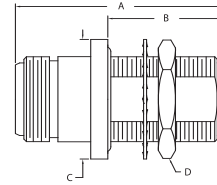


FIGURE 26

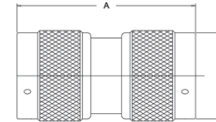


FIGURE 27

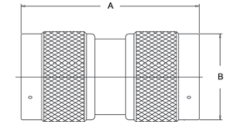


FIGURE 28

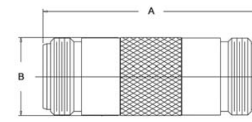


FIGURE 29

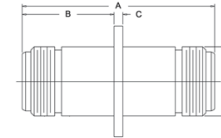


FIGURE 30

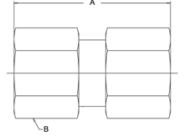


FIGURE 31

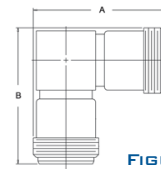


FIGURE 32

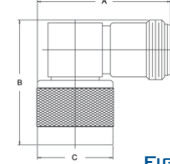


FIGURE 33

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1209-12	M55339/04-00030	Within Series Adapter	F-F	Silver	1.540	0.860	0.880	0.750				A0	26
UG-30 E/U		Within Series Adapter	F-F	Silver	1.540	0.860	0.880	0.930				A0	26
KN-99-34		Within Series Adapter	F-F	Silver	1.750	0.860	0.880	0.750				A0	26
KN-99-34 M06		Within Series Adapter	F-F	Nickel	1.750	0.860	0.880	0.750				A0	26
KN-99-58		Within Series Adapter	F-F	Nickel	1.540	0.860	0.880	0.750				A0	26
1209-19	M55339/04-00001	Within Series Adapter	F-F	Silver	1.540	0.860	0.880	0.750				A0	26
1209-9	M55339/05-00057	Within Series Adapter	M-M	Silver	1.620	0.790							27
KN-99-44		Within Series Adapter	M-M	Nickel	1.600	0.780							27
UG-57 B/U		Within Series Adapter	M-M	Silver	1.600	0.780							28
KN-99-50		Within Series Adapter	F-F	Nickel	1.750	0.630							29
1209-13	M55339/07-00029	Within Series Adapter	F-F	Silver	1.750	0.630							29
1209-44-5		Within Series Adapter	F-F	Silver	1.750	0.810	0.080	0.630					30
KN-99-102 M06		Within Series Adapter	F-F	Nickel	1.750	0.810	0.080	0.630					30
KN-99-14		Within Series Adapter	F-F	Silver	1.750	0.810	0.080	0.630					30
1209-74-22		Within Series Adapter	M-M		1.620	0.810							31
KN-99-30		Within Series Adapter	F-F	Silver	1.300	1.300							32
1209-10	M55339/03-00027	Within Series Adapter	M-F	Silver	1.370	1.320	0.780						33
UG-27 C/U		Within Series Adapter	M-F	Silver	1.370	1.320	0.780						33
UG-27 D/U		Within Series Adapter	M-F	Silver	1.370	1.320	0.780						33

N SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

ACCESSORIES

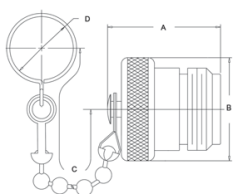


FIGURE 34

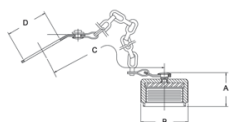


FIGURE 35

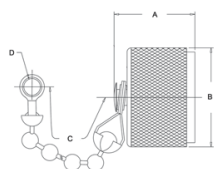


FIGURE 36

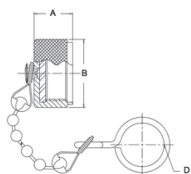


FIGURE 37

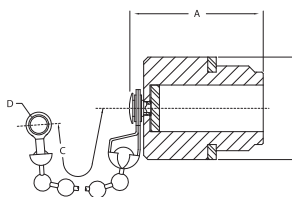


FIGURE 38

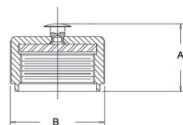


FIGURE 39

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
KN-89-12		Dust Cap & Chain	F		0.840	0.780	4.500	0.480					34
KN-89-13		Dust Cap	F		0.812	0.781							N/S
1208-45-5		Dust Cap & Chain	M		0.550	0.750	3.750	0.675					35
KN-89-31	M39012/25-0012	Dust Cap & Chain	M		0.550	0.750	3.750	0.640					35
KN-89-14		Dust Cap & Chain	M		0.550	0.750	5.000	0.140					36
KN-89-30	M39012/25-0011	Dust Cap & Chain	M		0.550	0.750	2.500	0.140					36
KN-89-87 M07		Dust Cap & Chain	M	Silver	0.430	0.750	5.000	0.480					37
KN-89-05		Dust Cap & Chain	F		0.950	0.750	4.380	0.140					38
1208-46-5		Dust Cap	M		0.550	0.750							39

QC-N SERIES



- 50 Ohm Nominal Impedance.
- Push/Pull connection system allows for quicker mating.
- When mated, the connectors can rotate 360 degrees.
- Mates with standard N Series jacks with a thread length of .1879 +/- .0159.
- Frequency Range: Up to 11 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Copper Alloy
Center Contacts:	Brass (Male) Copper Alloy (Female)
Outer Contacts:	Copper Alloy
Insulators:	PTFE

FINISHES

Body:	TriMetal
Center Contacts:	Gold

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 11 GHz
Voltage Rating:	1000 Volts RMS
VSWR:	1.20 Maximum
Return Loss:	-20.8 dB Minimum
Insulation Resistance:	5,000 Megohms Minimum
Contact Resistance:	Center Contact: 3.0 Milliohms Maximum Outer Contact: 3.0 Milliohms Maximum

MECHANICAL

Life:	500 Cycles
Mating Force:	20 Pounds Maximum
Unmating Force:	20 Pounds Maximum
Connector Retention:	50 Pounds Minimum

ENVIRONMENTAL

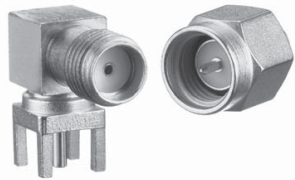
Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition B
Shock:	MIL-STD-202, Method 213, Condition I
Thermal Shock:	MIL-STD-202, Method 107, Condition B
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-202, Method 106

SMA SERIES

CONNECTING INNOVATION TO APPLICATION



SMA SERIES



- 50 Ohm Nominal Impedance.
- Semi-precision, sub-miniature connectors with threaded interface.
- Excellent electrical performance.
- Commercial and Military-Specified versions.
- Available for semi-rigid, standard, flexible cables and receptacles.
- Frequency Range: Up to 18 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass or Stainless Steel
Crimp Sleeves:	Commercial Bronze or Copper Alloy
Center Contacts:	Brass (Male) Copper Alloy (Female)
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Gold or Passivated
Center Contacts:	Gold

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 18 GHz
Voltage Rating:	355 to 500 Volts RMS
VSWR:	Dependent on Cable
Insertion Loss:	Dependent on Cable

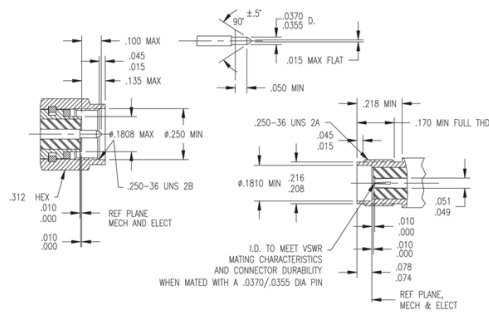
MECHANICAL

Life:	500 Cycles
Cable Retention:	10 to 60 Pounds (Dependent on Cable)

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C -65° C to +125° C (Epoxy Connectors)
Vibration:	MIL-STD-202, Method 204, Condition D
Shock:	MIL-STD-202, Method 213, Condition I
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-202, Method 106

INTERFACE DIMENSIONS



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SMA SERIES

CABLE JACKS, SOLDER TYPE - SEMI-RIGID CABLE

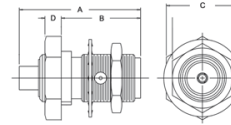


FIGURE 1

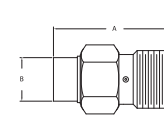


FIGURE 2

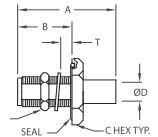


FIGURE 3

CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

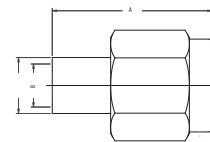


FIGURE 4

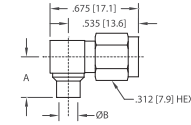


FIGURE 5

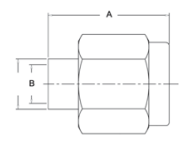


FIGURE 6

CABLE JACKS, CLAMP TYPE - FLEXIBLE CABLE

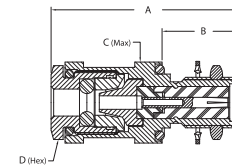


FIGURE 7

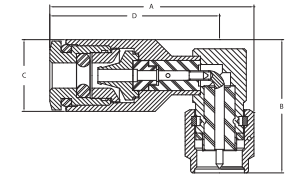


FIGURE 8

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	D	T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
872-57-3		Jack, Direct Solder, Bulkhd	F	Passivated	0.640	0.410	0.380	0.090	0.113	50	3-481		AN	1
872-37-3	M39012/83-3008	Jack, Direct Solder, Bulkhd	F	Passivated	0.640	0.410	0.440	0.144	0.250	49	3-482		AN	1
872-56-2		Jack, Direct Solder, Bulkhd	F	Gold	0.640	0.410	0.440	0.144	0.113	49	3-482		AN	1
872-36-3	M39012/83-3007	Jack, Direct Solder, Bulkhd	F	Passivated	0.640	0.410	0.440	0.090	0.113	50	CP-3800-1		AN	1
878-2-3		Dust Cap & Chain	M	Passivated	0.430	0.302	0.140	2.250						N/S
351-500-0850H		Jack, Solder	F	Gold/Brass	0.500	0.120				48	CAPS-02			2
351-500-1410H		Jack, Solder	F	Gold/Brass	0.500	0.180				49	CAPS-02			2
873-19-3	M39012/81-3008	Jack, Direct Solder	F	Passivated	0.520	0.180				49	3-482			2
251-575-0850G		Jack, Bulkhd, Solder	F	Gold	0.750	0.415	0.437	0.090	0.093	48	CAPS-02		R	3
351-575-0850H		Jack, Bulkhd, Solder	F	Gold/Brass	0.750	0.450	0.312	0.090	0.093	48	CAPS-02		R	3
251-575-1410G		Jack, Bulkhd, Solder	F	Gold	0.750	0.415	0.437	0.144	0.093	49	CAPS-02		R	3
351-575-1410H		Jack, Bulkhd, Solder	F	Gold/Brass	0.750	0.450	0.312	0.144	0.093	49	CAPS-02		R	3
872-47-3		Jack, Clamp, Bulkhd	F	Gold	0.960	0.406	0.390	0.066	0.113	3	3-515		AN	7

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WINCHESTER ELECTRONICS CORPORATION | RF CONNECTORS

SMA SERIES

CONNECTING INNOVATION TO APPLICATION®



SMA SERIES

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
250-500-0850G		Plug, Solder	M	Gold	0.440	0.090			48	CAP5-02			4
250-500-0853G		Plug, Solder	M	Gold	0.330	0.090			48	CAP5-02			4
250-500-0858G		Plug, Solder, Insulator Assembled	M	Gold	0.440	0.090			48	CAP5-02			4
350-500-0850H		Plug, Solder	M	Gold	0.440	0.090			48	CAP5-02			4
350-500-0858H		Plug, Solder, Insulator Assembled	M	Gold	0.440	0.090			48	CAP5-02			4
250-500-0850P		Plug, Solder	M	Passivated	0.440	0.090			48	CAP5-02			4
250-500-0853P		Plug, Solder	M	Passivated	0.330	0.090			48	CAP5-02			4
250-500-0858P		Plug, Solder, Insulator Assembled	M	Passivated	0.440	0.090			48	CAP5-02			4
250-500-1410G		Plug, Solder, w/o Center Contact	M	Gold	0.330	0.144			49	CAP5-01			4
350-500-1410H		Plug, Solder, w/o Center Contact	M	Gold	0.330	0.144			49	CAP5-01			4
250-500-1411G		Plug, Solder, w/o Center Contact	M	Gold	0.440	0.144			49	CAP5-02			4
250-500-1412G		Plug, Solder	M	Gold	0.440	0.144			49	CAP5-02			4
250-500-1413G		Plug, Solder	M	Gold	0.330	0.144			49	CAP5-02			4
250-500-1418G		Plug, Solder, Insulator Assembled	M	Gold	0.440	0.144			49	CAP5-02			4
350-500-1411H		Plug, Solder, w/o Center Contact	M	Gold	0.440	0.144			49	CAP5-02			4
350-500-1412H		Plug, Solder	M	Gold	0.440	0.144			49	CAP5-02			4
350-500-1418H		Plug, Solder, Insulator Assembled	M	Gold	0.440	0.144			49	CAP5-02			4
250-500-1410P		Plug, Solder, w/o Center Contact	M	Passivated	0.330	0.144			49	CAP5-01			4
250-500-1411P		Plug, Solder, w/o Center Contact	M	Passivated	0.440	0.144			49	CAP5-02			4
250-500-1412P		Plug, Solder	M	Passivated	0.440	0.144			49	CAP5-02			4
250-500-1413P		Plug, Solder	M	Passivated	0.330	0.144			49	CAP5-02			4
250-500-1418P		Plug, Solder, Insulator Assembled	M	Passivated	0.440	0.144			49	CAP5-02			4
875-81-17	M39012/55-3007	Plug, Conventional	M	Passivated	0.990	0.312	0.400		B1	3-559			4
875-82-17	M39012/55-3009	Plug, Conventional	M	Passivated	0.990	0.312	0.400		DE	3-519			4
875-82-3	M39012/55-3109	Plug, Conventional	M	Passivated	0.990	0.312	0.400		DE	3-519			4
875-86-3	M39012/55-3130	Plug, Conventional	M	Passivated	0.990	0.312	0.400		3	3-519			4
252-500-1410G		Plug, Angle, Solder	M	Gold	0.310	0.144			49	CAP5-03			5
352-500-1410H		Plug, Angle, Solder	M	Gold	0.310	0.144			49	CAP5-03			5
252-500-1410P		Plug, Angle, Solder	M	Passivated	0.310	0.144			49	CAP5-03			5
252-500-0850G		Plug, Angle, Solder	M	Gold	0.310	0.090			48	CAP5-03			5
352-500-0850H		Plug, Angle, Solder	M	Gold	0.310	0.090			48	CAP5-03			5
252-500-0850P		Plug, Angle, Solder	M	Passivated	0.310	0.090			48	CAP5-03			5
875-59-3		Plug, Direct Solder	M	Passivated	0.440	0.312			49	3-302			6
875-107-3		Plug, Direct Solder	M	Passivated	0.440	0.312			49	3-303			6
875-58-3		Plug, Direct Solder	M	Passivated	0.440	0.312			49	3-303			6
875-69-3	M39012/79-3107	Plug, Direct Solder	M	Passivated	0.430	0.310			50	3-481			6
875-70-17	M39012/79-3008	Plug, Direct Solder	M	Passivated	0.430	0.310			49	3-482			6
875-70-3	M39012/79-3108	Plug, Direct Solder	M	Passivated	0.430	0.310			49	3-482			6
876-62-17	M39012/56-3030	Plug, Conventional, Angle	M	Passivated	1.040	0.700	0.380	0.860	3	3-519			8
876-60-3	M39012/56-3107	Plug, Conventional, Angle	M		1.040	0.700	0.380	0.860	B1	3-559			8
876-49-3	M39012/80-3108	Plug, Direct Solder, Angle	M	Passivated	0.650	0.540	0.180	0.510	49	3-482			N/S
876-62-3	M39012/56-3130	Plug, Conventional, Angle	M	Passivated	1.040	0.700	0.380	0.860	3	3-519			8
876-61-17	M39012/56-3009	Plug, Angle, Conventional	M	Passivated	1.040	0.700	0.380	0.860	DE	3-519			8

SMA SERIES

JACK

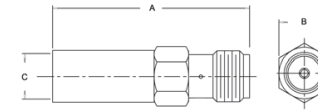


FIGURE 9

BULKHEAD JACK

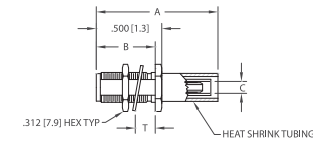


FIGURE 10

PANEL JACKS

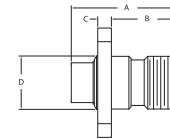


FIGURE 11

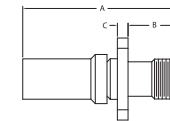


FIGURE 12

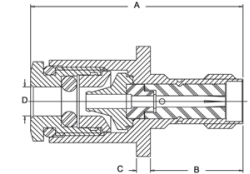


FIGURE 13

SMA SERIES

CONNECTING INNOVATION TO APPLICATION®



SMA SERIES

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
253-055-0025P		Jack, Angle, Panel	F	Passivated	0.050	0.036						S	20_3
251-065-0030G		Captured, Jack, Panel	F	Gold	0.100	0.005						C	21_1
251-065-0031G		Non-Captured, Jack, Panel	F	Gold	0.100	0.005						C	21_1
251-065-0030P		Captured, Jack, Panel	F	Passivated	0.100	0.005						C	21_1
251-065-0031P		Non-Captured, Jack, Panel	F	Passivated	0.100	0.005						C	21_1
251-066-0030G		Captured, Jack, Panel	F	Gold	0.100	0.005						D	21_2
251-066-0031G		Non-Captured, Jack, Panel	F	Gold	0.100	0.005						D	21_2
251-066-0030P		Captured, Jack, Panel	F	Passivated	0.100	0.005						D	21_2
251-066-0031P		Non-Captured, Jack, Panel	F	Passivated	0.100	0.005						D	21_2
251-055-0030G		Captured, Jack, Panel	F	Gold	0.100	0.005						S	21_3
251-055-0031G		Non-Captured, Jack, Panel	F	Gold	0.100	0.005						S	21_3
251-055-0030P		Captured, Jack, Panel	F	Passivated	0.100	0.005						S	21_3
251-055-0031P		Non-Captured, Jack, Panel	F	Passivated	0.100	0.005						S	21_3
251-065-0023G		Jack, Panel	F	Gold	0.050	0.018						C	22_1
251-065-0024G		Jack, Panel	F	Gold	0.050	0.028						C	22_1
251-065-0025G		Jack, Panel	F	Gold	0.050	0.036						C	22_1
251-065-0023P		Jack, Panel	F	Passivated	0.050	0.018						C	22_1
251-065-0024P		Jack, Panel	F	Passivated	0.050	0.028						C	22_1
251-065-0025P		Jack, Panel	F	Passivated	0.050	0.036						C	22_1
251-065-0022G		Jack, Panel	F	Gold	0.050	0.012						C	22_1
251-065-0022P		Jack, Panel	F	Passivated	0.050	0.012						C	22_1
251-066-0022G		Jack, Panel	F	Gold	0.050	0.012						D	22_2
251-066-0023G		Jack, Panel	F	Gold	0.050	0.018						D	22_2
251-066-0024G		Jack, Panel	F	Gold	0.050	0.028						D	22_2
251-066-0025G		Jack, Panel	F	Gold	0.050	0.036						D	22_2
251-066-0022P		Jack, Panel	F	Passivated	0.050	0.012						D	22_2
251-066-0023P		Jack, Panel	F	Passivated	0.050	0.018						D	22_2
251-066-0024P		Jack, Panel	F	Passivated	0.050	0.028						D	22_2
251-066-0025P		Jack, Panel	F	Passivated	0.050	0.036						D	22_2
251-055-0022G		Jack, Panel	F	Gold	0.050	0.012						S	22_3
251-055-0023G		Jack, Panel	F	Gold	0.050	0.018						S	22_3
251-055-0024G		Jack, Panel	F	Gold	0.050	0.028						S	22_3
251-055-0025G		Jack, Panel	F	Gold	0.050	0.036						S	22_3
251-055-0022P		Jack, Panel	F	Passivated	0.050	0.012						S	22_3
251-055-0023P		Jack, Panel	F	Passivated	0.050	0.018						S	22_3
251-055-0024P		Jack, Panel	F	Passivated	0.050	0.028						S	22_3
251-055-0025P		Jack, Panel	F	Passivated	0.050	0.036						S	22_3
253-065-0022G		Jack, Panel	F	Gold	0.050	0.012						C	23_1
253-065-0023G		Jack, Panel	F	Gold	0.050	0.018						C	23_1
253-065-0022P		Jack, Panel	F	Passivated	0.050	0.012						C	23_1
877-120-5		Jack, Panel	F	Silver	1.111	0.440	0.065					E	23
879-2-1		Within Series Adapter	M-M	Gold	0.880								24
879-2-3		Within Series Adapter	M-M	Passivated	0.880								24
879-3		Within Series Adapter	F-F	Gold	0.500	0.250							25
879-3-3		Within Series Adapter	F-F	Passivated	0.500	0.220							25
879-1-3		Within Series Adapter	M-F	Passivated	0.650	0.630							26
879-1-9		Within Series Adapter	M-F	Nickel	0.630	0.650							26

SMA SERIES

JACK

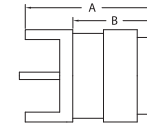


FIGURE 27

ANGLE JACKS

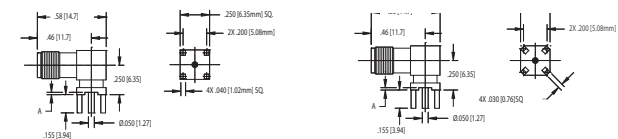


FIGURE 28

FIGURE 29

BULKHEAD RECEPTACLE

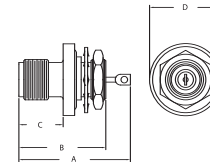


FIGURE 30

RECEPTACLE

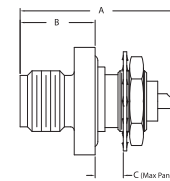


FIGURE 31

ANGLE RECEPTACLE

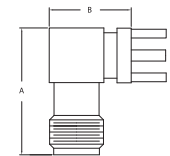


FIGURE 32

QC-SMA™ SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

QC-SMA™ SERIES



- 50 Ohm Nominal Impedance.
- Push/Pull connection system does not require special tooling for mating/unmating.
- When mated, connectors can rotate 360 degrees.
- Mate with standard SMA jacks with thread lengths of .200" +/- .005".
- Designs available for flexible and semi-rigid cables.
- Frequency Range: Up to 6 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Copper Alloy
Center Contacts:	Brass (Male) Copper Alloy (Female)
Outer Contacts:	Copper Alloy
Insulators:	PTFE

FINISHES

Body:	Gold or Nickel
Center Contacts:	Gold

ELECTRICAL

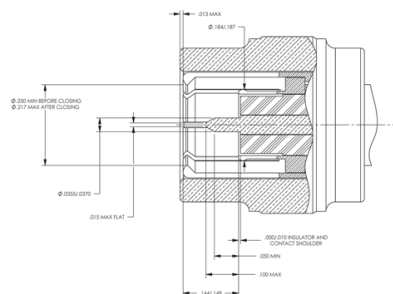
Impedance:	50 Ohms
Frequency Range:	DC to 6 GHz
VSWR:	1.25 Max
Return Loss:	-19.1 dB Minimum
Insulation Resistance:	5,000 Megohms Minimum

MECHANICAL

Life:	500 Cycles
Mating Force:	10 Pounds Maximum
Unmating Force:	10 Pounds Maximum
Connector Retention:	30 Pounds Minimum

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition B
Shock:	MIL-STD-202, Method 213, Condition A
Thermal Shock:	MIL-STD-202, Method 107, Condition B
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-202, Method 106



QC-SMA™ SERIES

CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

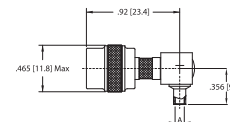


FIGURE 1

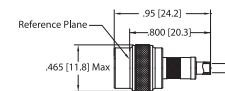


FIGURE 2

CABLE PLUGS, CRIMP TYPE - FLEXIBLE CABLE

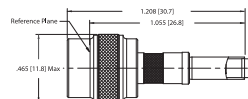


FIGURE 3

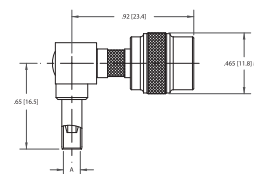


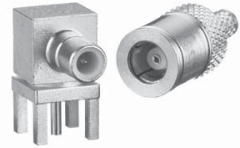
FIGURE 4

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
152-500-1410N		Plug, Solder	M	Gold	0.145	A	B	C	D	49			1
152-500-0850N		Plug, Solder	M	Gold	0.090					50			1
150-500-0850N		Plug, Solder	M	Gold	0.090					50			2
150-500-1410N		Plug, Solder	M	Gold	0.145					49			2
150-900-0631N		Plug, Crimp	M	Nickel	0.142					3		KTH-2015	3
150-900-0630N		Plug, Crimp	M	Nickel	0.128					B		KTH-2011	3
152-900-0631N		Plug, Crimp	M	Nickel	0.142					3		KTH-2015	4
152-900-0630N		Plug, Crimp	M	Nickel	0.128					B		KTH-2011	4

SMB SERIES

CONNECTING INNOVATION TO APPLICATION®

WINKINGS
by WINCHESTER
ELECTRONICS



- Available in 50 Ohm and 75 Ohm versions.
- Snap-on interface reduces installation time.
- Self-cleaning outer spring withstands moderate vibration.
- Small & lightweight.
- Frequency Range: Up to 4 GHz

SMB SERIES

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Annealed Copper Alloy
Contacts:	Brass (Male) Copper Alloy (Female)
Insulators:	PTFE
Lockwashers:	Phosphor Bronze

FINISHES

Body:	Gold or Nickel
Center Contacts:	Gold

MECHANICAL

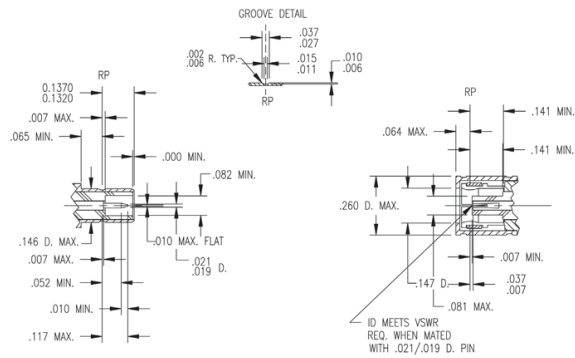
Life:	500 Cycles
Engagement Force:	14 Pounds Maximum
Disengagement Force:	2 Pounds Minimum 14 Pounds Maximum

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 4 GHz
VSWR:	
RG196 or similar	Straight: 1.30 + .04F Right Angle: 1.45 + .06F
RG 316 or similar	Straight: 1.25 + .04F Right Angle: 1.35 + .04F
Insertion Loss:	.25 dB Max at 4 GHz

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition B
Shock:	MIL-STD-202, Method 213, Condition B
Corrosion:	MIL-STD-202, Method 101, Condition B
Temperature Cycling:	MIL-STD-202, Method 102, Condition C



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SMB SERIES

CABLE PLUGS, CRIMP TYPE - FLEXIBLE CABLE

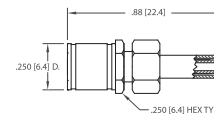


FIGURE 1

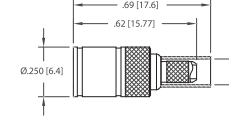


FIGURE 2

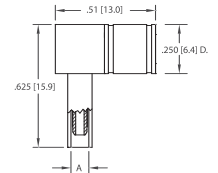


FIGURE 3

CABLE JACKS, CRIMP TYPE - FLEXIBLE CABLE

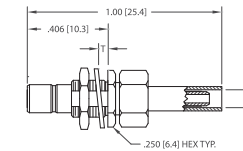


FIGURE 4

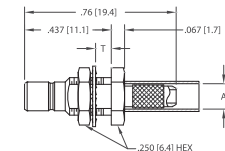


FIGURE 5

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
510-800-0631H		Plug, Crimp/Clamp	F	Gold	0.142				3	CAP8-02	KTH-2015		1
510-800-0631N		Plug, Crimp/Clamp	F	Nickel	0.142				3	CAP8-02	KTH-2015		1
510-800-0360H		Plug, Crimp/Clamp	F	Gold	0.091				A	CAP8-02	KTH-2008		1
510-800-0360N		Plug, Crimp/Clamp	F	Nickel	0.091				A	CAP8-02	KTH-2008		1
510-800-0630H		Plug, Crimp/Clamp	F	Gold	0.128				B	CAP8-02	KTH-2011		1
510-800-0630N		Plug, Crimp	F	Nickel	0.128				B	CAP8-02	KTH-2011		1
510-900-0360H		Plug, Crimp	F	Gold	0.091				A	CAP9-08	KTH-2008		2
510-900-0360N		Plug, Crimp	F	Nickel	0.091				A	CAP9-08	KTH-2008		2
510-900-0630H		Plug, Crimp	F	Gold	0.128				B	CAP9-08	KTH-2011		2
510-900-0630N		Plug, Crimp	F	Nickel	0.128				B	CAP9-08	KTH-2011		2
512-900-0631H		Plug, Angle, Crimp	F	Gold	0.142				3	CAP9-06	KTH-2015		3
512-900-0631N		Plug, Angle, Crimp	F	Nickel	0.142				3	CAP9-06	KTH-2015		3
512-900-0360H		Plug, Angle, Crimp	F	Gold	0.091				A	CAP9-06	KTH-2008		3
512-900-0360N		Plug, Angle, Crimp	F	Nickel	0.091				A	CAP9-06	KTH-2008		3
512-900-0630H		Plug, Angle, Crimp	F	Gold	0.128				B	CAP9-06	KTH-2011		3
512-900-0630N		Plug, Angle, Crimp	F	Nickel	0.128				B	CAP9-06	KTH-2011		3
511-880-0631H		Jack, Bulkhd, Crimp/Clamp	M	Gold	0.142			0.093	3	CAP8-02	KTH-2015	P	4
511-880-0631N		Jack, Bulkhd	M	Nickel	0.142			0.093	3	CAP8-02	KTH-2015	P	4
511-880-0360H		Jack, Bulkhd, Crimp/Clamp	M	Gold	0.091			0.093	A	CAP8-02	KTH-2008	P	4
511-880-0360N		Jack, Bulkhd, Crimp/Clamp	M	Nickel	0.091			0.093	A	CAP8-02	KTH-2008	P	4
511-880-0630H		Jack, Bulkhd, Crimp/Clamp	M	Gold	0.128			0.093	B	CAP8-02	KTH-2011	P	4
511-880-0630N		Jack, Bulkhd, Crimp/Clamp	M	Nickel	0.128			0.093	B	CAP8-02	KTH-2011	P	4
511-980-0631H		Jack, Bulkhd, Crimp	M	Gold	0.142			0.093	3	CAP9-08	KTH-2015	P	5
511-980-0631N		Jack, Bulkhd, Crimp	M	Nickel	0.142			0.093	3	CAP9-08	KTH-2015	P	5
511-980-0360H		Jack, Bulkhd, Crimp	M	Gold	0.091			0.093	A	CAP9-08	KTH-2008	P	5
511-980-0360N		Jack, Bulkhd, Crimp	M	Nickel	0.091			0.093	A	CAP9-08	KTH-2008	P	5
511-980-0630H		Jack, Bulkhd, Crimp	M	Gold	0.128			0.093	B	CAP9-08	KTH-2011	P	5
511-980-0630N		Jack, Bulkhd, Crimp	M	Nickel	0.128			0.093	B	CAP9-08	KTH-2011	P	5

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WINCHESTER ELECTRONICS CORPORATION | RF CONNECTORS

SMB SERIES

CONNECTING INNOVATION TO APPLICATION®



CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

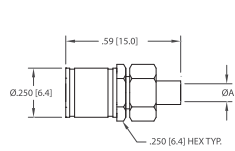


FIGURE 6

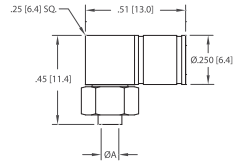


FIGURE 7

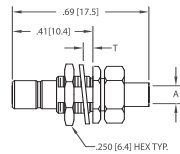


FIGURE 8

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
510-600-0850N		Plug, Solder/Clamp	F	Nickel	0.090				48	CAP6-01			6
510-600-1410H		Plug, Solder/Clamp	F	Gold	0.144				49	CAP6-01			6
510-600-1410N		Plug, Solder/Clamp	F	Nickel	0.144				49	CAP6-01			6
510-600-0850H		Plug, Solder/Clamp	F	Gold	0.090				48	CAP6-01			6
512-600-0850H		Plug, Angle, Solder/Clamp	F	Gold	0.090				48	CAP6-02			7
512-600-0850N		Plug, Angle, Solder/Clamp	F	Nickel	0.090				48	CAP6-02			7
512-600-1410H		Plug, Angle, Solder/Clamp	F	Gold	0.144				49	CAP6-02			7
512-600-1410N		Plug, Angle, Solder/Clamp	F	Nickel	0.144				49	CAP6-02			7
511-680-0850H		Jack, Bulkhd, Solder/Clamp	M	Gold	0.090			0.093	48	CAP6-01		P	8
511-680-1410H		Jack, Bulkhd, Solder/Clamp	M	Gold	0.144			0.093	48	CAP6-01		P	8

SMB SERIES

PCB JACK

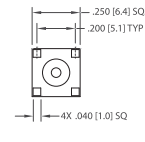


FIGURE 9

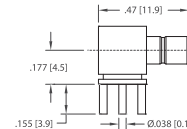


FIGURE 10

PCB JACK

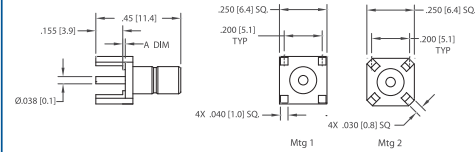


FIGURE 11

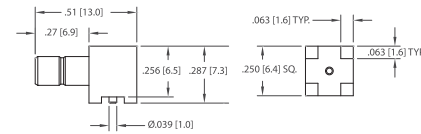


FIGURE 12

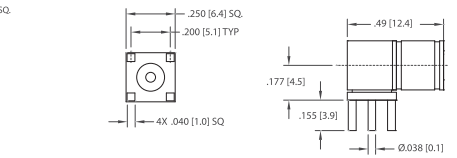


FIGURE 13

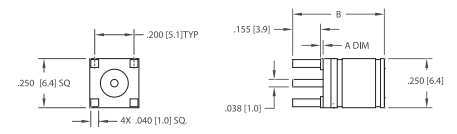


FIGURE 14

SURFACE MOUNT PLUG

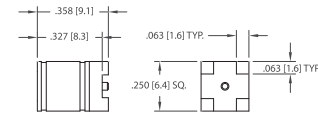


FIGURE 15

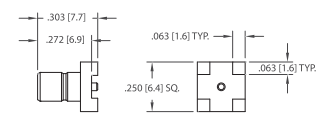


FIGURE 16

SMB SERIES

CONNECTING INNOVATION TO APPLICATION®



CABLE JACKS, SOLDER TYPE

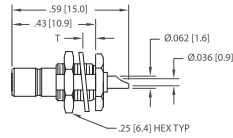


FIGURE 17

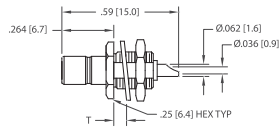


FIGURE 18

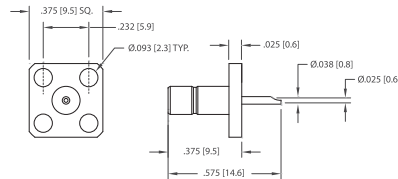


FIGURE 19

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	T	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
513-060-0040H		Jack, Angle, PCB	M	Gold								U	9
513-060-0040N		Jack, Angle, PCB	M	Nickel								U	9
513-060-0080H		Jack, Angle, Bulkhd, PCB	M	Gold				0.093				U & P	10
513-060-0080N		Jack, Angle, Bulkhd, PCB	M	Nickel				0.093				U & P	10
511-060-0040H		Jack, PCB	M	Gold	0.000							U	11_1
511-060-0040N		Jack, PCB	M	Nickel	0.000							U	11_1
511-060-0047H		Jack, PCB	M	Gold	0.000							O	11_2
511-060-0048H		Jack, PCB	M	Gold	0.020							O	11_2
511-060-0047N		Jack, PCB	M	Nickel	0.000							O	11_2
511-060-0048N		Jack, PCB	M	Nickel	0.020							O	11_2
513-077-0040H		Jack, Angle, PCB, Surface Mt	M	Gold									12
512-060-0040H		Plug, Angle, PCB	F	Gold								U	13
512-060-0040N		Plug, Angle, PCB	F	Nickel								U	13
510-060-0040H		Plug, PCB	F	Gold	0.000	0.470						U	14
510-060-0047H		Plug, PCB	F	Gold	0.020	0.490						U	14
510-060-0040N		Plug, PCB	F	Nickel	0.000	0.470						U	14
510-060-0047N		Plug, PCB	F	Nickel	0.020	0.490						U	14
510-077-0040H		Plug, PCB, Surface Mt	F	Gold									15
511-077-0040H		Jack, PCB, Surface Mt	M	Gold									16
511-080-0000H		Receptacle, Bulkhd	M	Gold				0.093				P	17
511-080-0001H		Receptacle, Bulkhd	M	Gold				0.093				P	17
511-080-0000N		Receptacle, Bulkhd	M	Nickel				0.093				P	17
511-080-0001N		Receptacle, Bulkhd	M	Nickel				0.093				P	17
511-082-0000H		Receptacle, Bulkhd	M	Gold				0.093				P	18
511-082-0000N		Receptacle, Bulkhd	M	Nickel				0.093				P	18
511-071-0000H		Receptacle, Panel	M	Gold								V	19
511-071-0000N		Receptacle, Panel	M	Nickel								V	19

TNC SERIES



- 50 Ohm & 75 Ohm versions available.
- Miniature size connector with threaded coupling.
- Withstands shock & vibration, ideal for harsh environments.
- Keyed versions available to prevent mismatching and misalignment in critical applications.
- Commercial and Military-Specified versions available.
- Frequency Range: Up to 11 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Outer Contacts:	Beryllium Copper (Male)
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

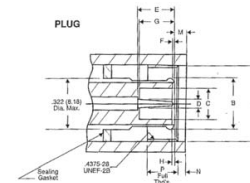
FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold

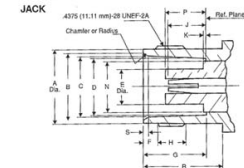
ELECTRICAL

Impedance:	50 Ohms or 75 Ohms
Frequency Range:	DC to 11 GHz
Voltage Rating:	500 Volts RMS
VSWR:	1.30 Max, DC to 11 GHz
Insertion Loss:	.18 dB Max at 9 GHz

INTERFACE DIMENSIONS



Dim Ltr	Inches (mm)	Dim Ltr	Inches (mm)
A	Minimum .440 (11.18) Maximum .440 (11.18)	G	Minimum .208 (5.28) Maximum .228 (5.79)
B	Minimum .340 (8.79) Maximum .350 (9.04)	H	Minimum .003 (0.08) Maximum .040 (1.02)
C	Minimum .190 (4.83) Maximum .190 (4.83)	M	Minimum .063 (1.60) Maximum .078 (1.98)
D	Minimum .052 (1.32) Maximum .054 (1.37)	N	Minimum .063 (1.60) Maximum .078 (1.98)
E	Minimum .210 (5.33) Maximum .230 (5.84)	P	Minimum .156 (3.96) Maximum .156 (3.96)
F	Minimum .006 (0.15) Maximum .006 (0.15)		



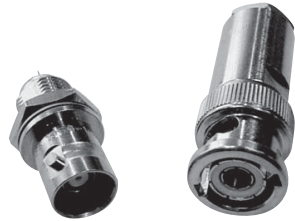
Dim Ltr	Inches (mm)	Dim Ltr	Inches (mm)
A	Minimum .378 (9.60) Maximum .381 (9.68)	H	Minimum .187 (4.75) Maximum .187 (4.75)
B	Minimum .340 (8.79) Maximum .350 (9.04)	J	Minimum .190 (4.79) Maximum .206 (5.23)
C	Minimum .327 (8.31) Maximum .333 (8.46)	K	Minimum .006 (0.15) Maximum .006 (0.15)
D	Minimum .319 (8.10) Maximum .321 (8.15)	N	Minimum .250 (6.50) Maximum .250 (6.50)
E	Minimum .186 (4.72) Maximum .186 (4.72)	P	Minimum .188 (4.78) Maximum .208 (5.28)
F	Minimum .368 (9.38) Maximum .388 (9.84)	R	Minimum .414 (10.52) Maximum .414 (10.52)
G	Minimum .327 (8.31) Maximum .333 (8.46)	S	Minimum .015 (0.38) Maximum .030 (0.76)

TRB SERIES

CONNECTING INNOVATION TO APPLICATION[®]



TRB SERIES



- Triaxial version of the popular BNC style connector.
- Miniature size with bayonet coupling.
- 3 Stud design meets MIL-STD-49142.
- Commercial versions also available with 2, 3, or 4 Stud coupling.
- Frequency Range: Up to 500 MHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Intermediate Contacts:	Beryllium Copper (Male) Beryllium Copper (Female)

Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold
Intermediate Contacts:	Silver or Gold

MECHANICAL

Life:	500 Cycles
Cable Retention:	40 Pounds Minimum

ELECTRICAL

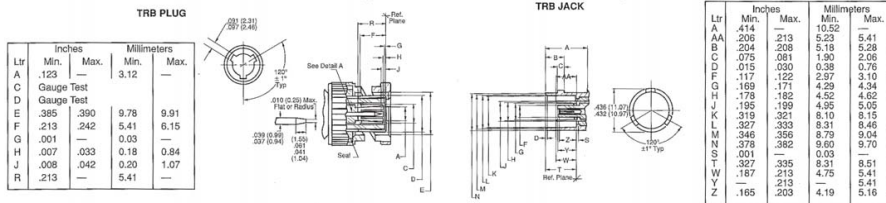
Impedance:	Non-Constant
Frequency Range:	DC to 500 MHz
Voltage Rating:	400 Volts RMS
Insulation Resistance:	5000 Megohms
Contact Resistance:	
Center Contact:	2.0 Milliohms
Intermediate & Outer Contacts:	.5 Milliohms

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-1344, Method 2005.1, Condition III
Shock:	MIL-STD-1344, Method 2004.1, Condition E
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-1344, Method 1002

INTERFACE DIMENSIONS

Per MIL-C-49142 or MIL-STD-348 as applicable



TRB SERIES

PLUGS

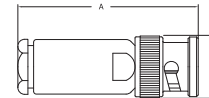


FIGURE 1

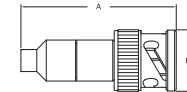


FIGURE 2

ANGLE PLUG

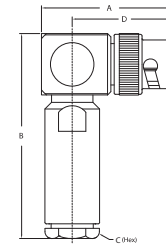


FIGURE 3

ADAPTER

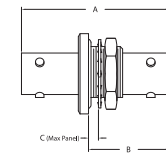


FIGURE 4

ACCESSORIES

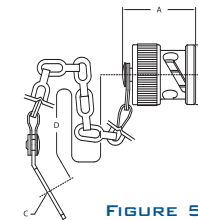


FIGURE 5

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1965-28-5		Plug, Conventional, 2 Stud	M	Silver	1.650	0.560			28	3-392			1
1995-12-5	M49142/03-0004	Plug, Conventional, 3 Stud	M	Silver	1.650	0.560			29	3-392			1
1965-2		Plug, Conventional, 2 Stud	M	Silver	1.460	0.560			46	CP-1301A			1
1965-12-9		Plug, Conventional, 2 Stud	M	Nickel	1.500	0.560			47	CP-1301			1
1995-11-5	M49142/03-0007	Plug, Conventional, 3 Stud	M	Silver	1.710	0.560			P	3-446			1
1965-5-9		Plug, Conventional, 2 Stud	M	Nickel	1.500	0.560			V	CP-1301			1
1995-3-9		Plug, Conventional, 3 Stud	M	Nickel	1.500	0.560			V	CP-1303			1
1995-14-5	M49142/03-0008	Plug, Conventional, 3 Stud	M	Silver	1.520	0.560			W	3-395			1
1995-26-102		Plug, Crimp, 3 Stud	M	Silver	2.000	0.590			W	3-400	KTH-2175		2
1966-6-5		Plug, Conventional, Rt Angle, 2 Stud	M	Silver	1.400	2.100	0.440	0.900	Z	CP-1306			3
1996-14-5		Plug, Conventional, Rt Angle, 3 Stud	M	Silver	1.400	2.100	0.440	0.900	Z	CP-1306			3
1999-1-4		Within Series Adapter, Bulkhd, 3 Stud	F-F	Gold	1.350	0.750	0.163					X	4
1998-2-9		Cap & Chain, 3 Stud	M	Nickel	0.670	0.550	0.520	2.500					5
1998-6-5		Cap & Wire Rope, 3 Stud	M	Nickel	0.670	0.550	0.140	4.000					5

TRB SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

BULKHEAD JACK

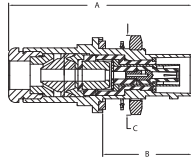


FIGURE 6

RECEPTACLES

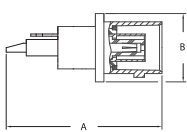


FIGURE 7

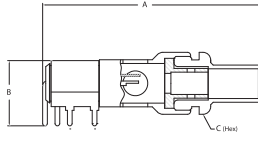


FIGURE 8

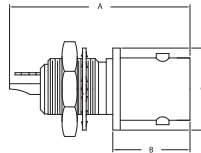


FIGURE 9

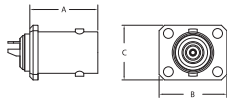


FIGURE 10

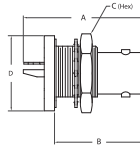
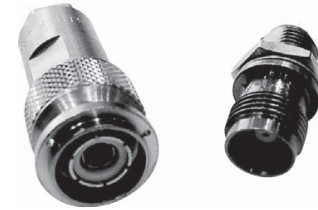


FIGURE 11

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1992-9-5	M49142/05-0004	Jack, Bulkhd, 3 Stud	F	Silver	1.750	0.810	0.630		29	3-392		X	6
1962-2		Jack, Bulkhd, 2 Stud	F	Silver	1.480	0.680	0.630		46	CP-1301A		X	6
1962-7-9		Jack, Bulkhd, 2 Stud	F	Nickel	1.530	0.680	0.630		47	CP-1301		X	6
1992-12-102		Jack, Bulkhd, 3 Stud	F	Nickel	1.530	0.680	0.630		W	3-400	KTH-2175	X	N/S
1994-12-9		Receptacle, 3 Stud	F	Nickel	1.140	0.500				SOLDER			7
1960-1-9		Receptacle, Angle, PCB, 2 Stud	F	Silver	1.760	0.520	0.440			3-734			8
1964-1-9		Receptacle, Bulkhd, Front Mt, 2 Stud	F	Nickel	1.100	0.470	0.500			SOLDER		H	9
1994-1-9		Receptacle, Bulkhd, Front Mt, 3 Stud	F	Nickel	1.140	0.490	0.500			SOLDER		W	9
1967-4-3		Receptacle, Panel, 2 Stud	F	Gold	0.622	0.620	0.500			SOLDER			10
1964-3-9		Receptacle, Bulkhd, Rear Mt, 2 Stud	F	Silver	1.340	0.820	0.630	0.680		SOLDER		X	11
1994-3-5	M49142/04-0004	Receptacle, Bulkhd, Rear Mt, 3 Stud	F	Silver	1.100	0.820	0.630	0.690		SOLDER		X	11
2724-2-5		Receptacle, Bulkhd, Rear Mt, Hermetic, 3 Stud	F	Silver	1.240	0.831	0.625	0.687		SOLDER		X	11
1994-4-5	M49142/04-0005	Receptacle, Bulkhd, Rear Mt, Hermetic, 3 Stud	F	Silver	1.240	1.090	0.630	0.690		SOLDER		X	11
2954-1-5		Receptacle, Bulkhd, Rear Mt, Hermetic, 3 Stud	F	Silver	1.240	0.831	0.625	0.687		SOLDER		X	11
1998-8-5		Receptacle, Bulkhd, Front Mt, Dummy, 3 Stud	F	Silver	0.910	0.500				SOLDER		H	N/S

B3

TRT SERIES



SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Male Center Contacts:	Brass
Female Center Contacts:	Beryllium Copper
Male Intermediate Contacts:	Beryllium Copper
Female Intermediate Contacts:	Beryllium Copper
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold
Intermediate Contacts:	Silver or Gold

MECHANICAL

Life:	500 Cycles
Cable Retention:	40 Pounds Minimum

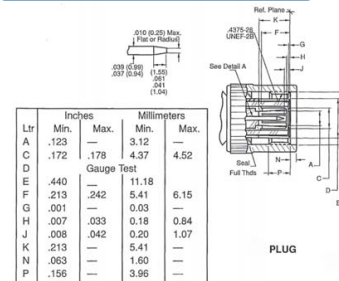
ELECTRICAL

Impedance:	Non-Constant
Frequency Range:	DC to 500 MHz
Voltage Rating:	400 Volts RMS
Insulation Resistance:	5000 Megohms
Contact Resistance:	
Center Contact:	2.0 Milliohms
Intermediate & Outer Contacts:	.5 Milliohms

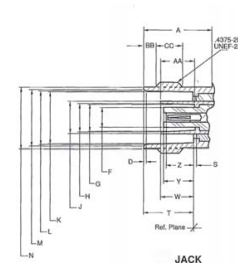
ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-1344, Method 2005.1, Condition III
Shock:	MIL-STD-1344, Method 2004.1, Condition E
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-1344, Method 1002

INTERFACE DIMENSIONS



PLUG



JACK

Ltr	Inches Min.	Inches Max.	Millimeters Min.	Millimeters Max.
A	.414	—	10.52	—
D	.015	.030	0.38	0.76
F	.117	.122	2.97	3.10
G	.169	.171	4.29	4.34
H	.178	.182	4.52	4.62
J	.195	.199	4.95	5.05
K	.319	.321	8.10	8.15
L	.327	.333	8.31	8.46
M	.346	.356	8.79	9.04
N	.378	.382	9.60	9.70
S	.001	—	0.03	—
T	.327	.335	8.31	8.51
V	.213	—	5.41	—
W	.187	.213	4.75	5.41
Y	.165	.203	4.19	5.16
Z	.201	.213	5.23	5.41
AA	.068	.088	1.73	2.24
CC	.187	—	4.75	—

B4

WINCHESTER ELECTRONICS CORPORATION | RF CONNECTORS

20 KV SERIES

CONNECTING INNOVATION TO APPLICATION®



PLUG - K-GRIP, JR.

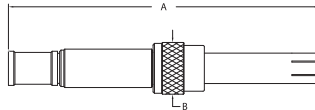


FIGURE 1

BULKHEAD RECEPTACLE

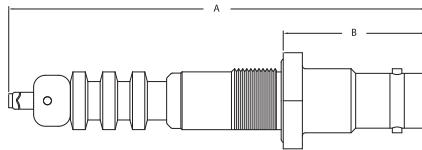
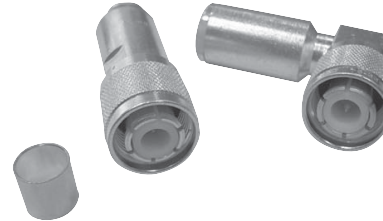


FIGURE 2

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1765-1		Plug, Crimp	M		4.520	0.750			M	3-7-2	KTH-1078		1
1764-2		Receptacle, Bulkhd, Front Mt	F		4.390	1.390				SOLDER		Y	2
1764-1		Receptacle, Bulkhd, Front Mt	F		3.910	1.390				SOLDER		I	2

20 KV SERIES

HN SERIES



- 50 Ohm Nominal Impedance.
- Standard size connector with threaded coupling.
- High-voltage version of the Type N connector.
- Overlapping dielectric interface with weatherproof features.
- Frequency Range: Up to 4 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Male Center Contacts:	Brass
Female Center Contacts:	Beryllium Copper
Male Outer Contacts:	Brass
Insulators:	PTFE or Rexolite®
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold or Silver

ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 4 GHz
Voltage Rating:	1500 Volts RMS
Insulation Resistance:	5000 Megohms

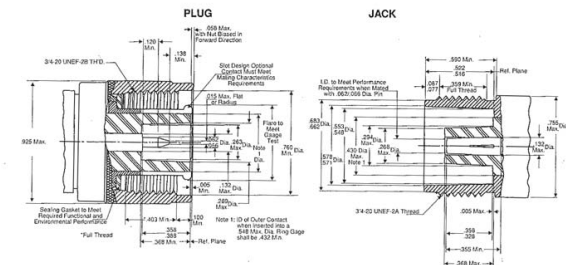
MECHANICAL

Mating:	3/4 - 20 Threaded Coupling
---------	----------------------------

ENVIRONMENTAL

Temperature Range:	PTFE Insulator: -65° C to +165° C Rexolite Insulator: -55° C to +85° C
Corrosion:	MIL-STD-202, Method 101, Condition B

INTERFACE DIMENSIONS



HN SERIES

CONNECTING INNOVATION TO APPLICATION®



PLUG - K-GRIP, JR.

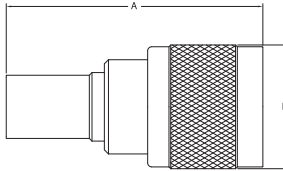


FIGURE 1

ANGLE PLUG - K-GRIP, JR.

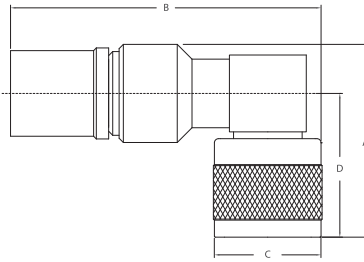


FIGURE 2

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KH-59-05		Plug, Conventional	M	Silver	1.610	0.880			G1	CP-1021.3			N/S
KH-59-72		Plug, Conventional	M	Silver	1.625	0.500			DE	CP-1004			N/S
UG-59 E/U		Plug, Conventional	M	Silver	2.218	0.875			MN	600-5			N/S
KH-59-78		Plug, Conventional/Crimp	M	Silver	2.230	0.450			N1	CP-239A	KTH-2004		N/S
845-10-9		Plug, Crimp, Weatherproof	M	Nickel	1.930	0.890			19	3-546-2	KTH-2213		1
845-13-9		Plug, Crimp, Weatherproof	M	Nickel	1.830	0.890			18	3-546-4	KTH-2212		1
845-9-9		Plug, Crimp, Weatherproof	M	Nickel	1.890	0.890			20	3-546-2	KTH-2229		1
KH-59-63		Plug, Crimp, Weatherproof	M	Nickel	1.930	0.880			M1	CP-5403	KTH-1078		1
KH-59-65		Plug, Crimp, Weatherproof	M	Nickel	1.930	0.880			N1	CP-5403	KTH-1079		1
KH-59-26		Plugs, Rt Angle, Conventional	M	Silver	1.560	2.370	0.750	1.190	MN	600-5			N/S
KH-59-84		Plugs, Rt Angle, Conventional	M	Silver	1.540	2.380	0.750	1.190	N3	CP-1031			N/S
846-5-9		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.510	2.250	0.880	1.190	18	3-546-7	KTH-2212		2
846-7-9		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.550	2.310	0.880	1.190	20	3-546-2	KTH-2229		2
KH-59-24		Plugs, Rt Angle, Crimp	M	Silver	1.500	2.810	0.750	1.180	N1	CP-208A	KTH-2004		N/S
KH-59-64		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.500	2.400	0.880	1.190	M1	CP-5403	KTH-1078		2
KH-59-66		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.500	2.400	0.690	1.190	2	CP-5403	KTH-1079		2

HN SERIES

ADAPTERS

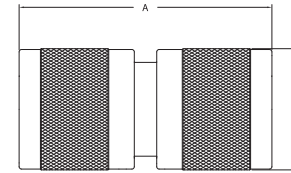


FIGURE 3

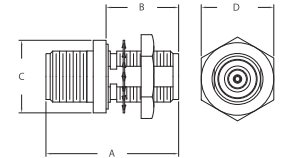


FIGURE 4

JACKS, RECEPTACLES, & ACCESSORIES

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KH-99-10		Within Series Adapter	M-M	Silver	1.850	0.880							3
849-5-9		Within Series Adapter, Bulkhead, Hermetic	F-F	Nickel	1.930	1.060	1.060	1.060				Z	4
KH-39-11		Jack, Conventional/Crimp	F	Silver	2.050	0.750			M1	CP-208A	KTH-2003		N/S
KH-39-12		Jack, Conventional/Crimp	F	Silver	2.040	0.750			N1	CP-208A	KTH-2004		N/S
KH-39-25 M06		Jack, Crimp, Weatherproof	F	Nickel	1.910	0.750			12	CP-5403	KTH-2127		N/S
KH-79-15		Receptacle, Bulkhead	F	Nickel	1.720	1.060	1.130			SOLDER			N/S
UG-496 /U		Receptacle, Panel	F	Silver	1.530	1.180				SOLDER			N/S
848-3-5		Dust Cap & Chain	M	Silver	0.560	0.875	3.250						N/S

MHV SERIES

CONNECTING INNOVATION TO APPLICATION



MHV SERIES



- 5 KV voltage rating.
- Non-constant impedance.
- Quick connect & disconnect bayonet coupling.
- Originally designed for high-voltage BNC applications.
- Meet the requirements of MIL-PRF-39012.

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Male Center Contacts:	Brass
Female Center Contacts:	Beryllium Copper
Outer Contacts:	Brass
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Silver
Center Contacts:	Gold

ELECTRICAL

Impedance:	Non-Constant
Voltage Rating:	Operating: 3500 VRMS Test: 5000 VRMS
Insulation Resistance:	5000 Megohms

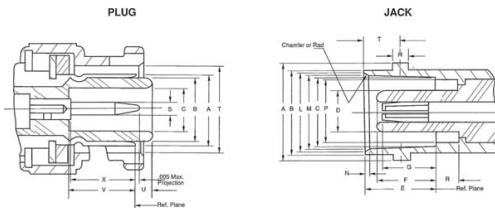
MECHANICAL

Mating:	2 Stud Bayonet Coupling
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ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition A
Shock:	MIL-STD-202, Method 213, Condition I
Corrosion:	MIL-STD-202, Method 101, Condition B

INTERFACE DIMENSIONS



Plug

Dim	Inches (mm)	Inches (mm)
Ltr	Minimum	Maximum
A		Gauge Test
B	.278 (7.06)	.282 (7.16)
G	.190 (4.83)	.194 (4.93)
S	.262 (6.65)	.264 (6.68)
T	.385 (9.78)	.390 (9.91)
U		.086 (2.18)
V	.302 (7.67)	
X	.300 (7.62)	
Z	.045 (1.14)	.049 (1.24)

Jack

Dim	Inches (mm)	Inches (mm)
Ltr	Minimum	Maximum
A	.432 (10.97)	.436 (11.07)
B	.378 (9.60)	.382 (9.70)
C	.319 (8.10)	.321 (8.15)
D		.186 (4.72)
E	.327 (8.31)	.335 (8.51)
F	.289 (7.34)	.311 (7.93)
G	.253 (6.43)	.260 (7.11)
H	.075 (1.91)	.081 (2.06)
L	.346 (8.79)	.356 (9.04)
M	.327 (8.31)	.333 (8.46)
N	.015 (0.38)	.030 (0.76)
P	.284 (7.21)	.290 (7.37)
R	.066 (1.68)	
T	.165 (4.19)	.169 (4.29)

MHV SERIES

PLUG - CONVENTIONAL

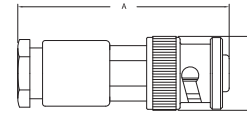


FIGURE 1

PLUG - K-GRIP, JR.

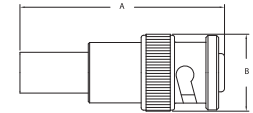


FIGURE 2

ADAPTERS - WITHIN SERIES

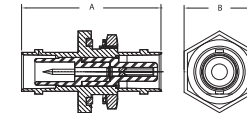


FIGURE 3

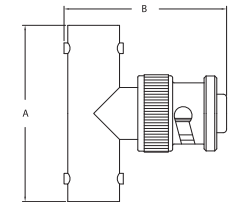


FIGURE 4

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1685-2-5		Plug, Conventional	M	Silver	1.560	0.560			G1	CP-1002			1
KV-59-04		Plug, Conventional	M	Silver	1.560	0.560			DE	CP-1002			1
KV-59-26		Plug, Conventional	M	Nickel	1.560	0.560			G1	CP-1002			1
KV-59-70		Plug, Conventional	M	Nickel	1.540	0.560			B1	CP-1002			1
KV-59-56		Plug, Conventional, Polarized	M	Silver	1.630	0.560			DE	CP-1002			1
KV-59-23		Plug, Crimp	M	Nickel	1.500	0.560			G1	CP-417	KTH-2002		2
KV-59-37		Plug, Crimp	M	Nickel	1.500	0.560			D	CP-417	KTH-2001		2
KV-99-45		W/I Series, Bkhd, Polarized to Stand	F-F	Silver	1.360	0.690						X	3
KV-99-46		Within Series Adapter, Tee	F-M-F	Nickel	1.280	1.140							4

MHV SERIES

CONNECTING INNOVATION TO APPLICATION®



BULKHEAD RECEPTACLE

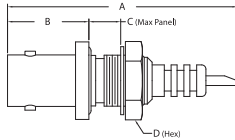


FIGURE 5

PANEL RECEPTACLE

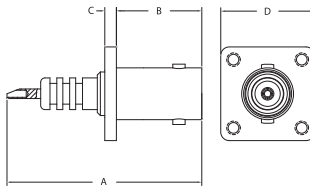


FIGURE 6

RECEPTACLE - OTHER

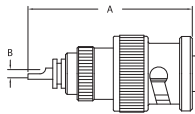


FIGURE 7

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KV-79-11		Receptacle, Bulkhd, Front Mt	F	Silver	1.420	0.470	0.112			SOLDER			5
KV-79-15		Receptacle, Bulkhd, Front Mt	F	Nickel	1.690	0.590	0.234			SOLDER		AA	5
KV-79-12		Receptacle, Panel	F	Nickel	1.430	0.630	0.085	0.690		SOLDER			6
KV-79-21		Receptacle	M	Nickel	1.190	0.060				SOLDER			7

MHV SERIES

SHV SERIES



- 5 KV voltage rating.
- Non-constant impedance.
- Quick connect & disconnect bayonet coupling design.
- Outer contact ground connection is maintained through the center contact mating cycle.
- Recessed center contacts prevent shock hazards while unmated.

SPECIFICATIONS

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Male Center Contacts:	Brass
Female Center Contacts:	Beryllium Copper
Outer Contacts:	Beryllium Copper
Insulators:	PTFE or Rexolite®
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Nickel
Center Contacts:	Gold

ELECTRICAL

Impedance:	Non-Constant
Voltage Rating:	Operating: 3500 VRMS Test: 5000 VRMS
Insulation Resistance:	10 ⁶ Megaohms

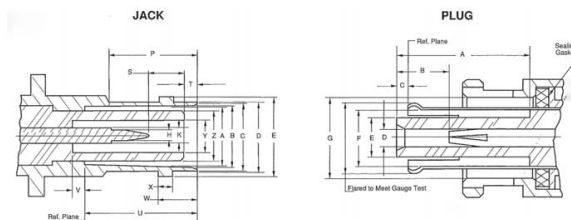
MECHANICAL

Mating:	2 Stud Bayonet Coupling
---------	-------------------------

ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
PTFE	-55° C to +85° C
Rexolite®	MIL-STD-202, Method 204, Condition A
Vibration:	MIL-STD-202, Method 213, Condition I
Shock:	MIL-STD-202, Method 101, Condition B
Corrosion:	

INTERFACE DIMENSIONS



Jack

Dim	Inches	Millimeters
Lp	Min	Max
A	.219	.201
B	.208	.203
C	.241	.287
D	.278	.282
E	.432	.436
H	.682	.684
K	.281	.283
P	.427	.428
S	.188	.209
T	.601	.678
U	.626	.630
V	.204	.208
W	.204	.208
X	.275	.281
Y	.190	.195
Z	.200	.200

Plug

Dim	Inches	Millimeters
Lp	Min	Max
A	.628	.632
B	.208	.202
C	.248	.264
D	.290	.298
E	.180	.186
F	.284	.288
G	.280	.280

SHV SERIES

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

BULKHEAD RECEPTACLES

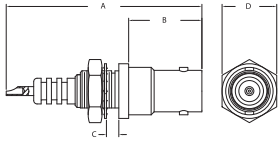


FIGURE 1

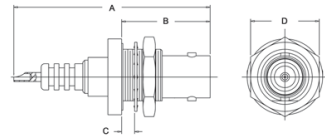


FIGURE 2

ADAPTERS - WITHIN SERIES

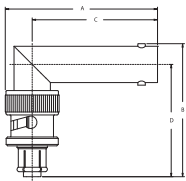


FIGURE 3

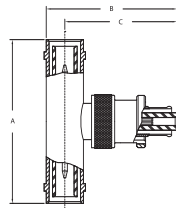


FIGURE 4

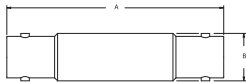


FIGURE 5

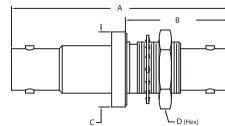


FIGURE 6

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1704-1 QD		Receptacle, Bulkhd, Front Mt, PTFE Ins	F	Nickel	1.790	0.670	0.182	0.500		SOLDER		H	1
1704-3-9		Receptacle, Bulkhd, Front Mt	F	Nickel	1.780	0.670	0.182	0.500		SOLDER			1
1704-1-11 M06		Recept, Bulkhd, Front Mt, Rexolite Ins	F	Nickel	1.780	0.670	0.182	0.500		SOLDER		H	1
1704-2		Receptacle, Bulkhd, Rear Mt	F	Nickel	1.790	0.810	0.235	0.630		SOLDER		X	2
1709-12 M06		Within Series Adapter, Rt Angle	F-M	Nickel	1.590	1.390	1.310	1.170					3
1709-3		Within Series Adapter, Tee	M-F-M	Nickel	1.710	1.370	1.170						4
1709-5		Within Series Adapter	F-F	Nickel	1.990	0.440							5
1709-1		Within Series Adapter, Bulkhd, PTFE Ins	M-M	Nickel	1.990	0.950	0.690	0.630				X	6
1709-1-11		Within Series Adapter, Bulkhd, Rexolite Ins	M-M	Nickel	1.990	0.950	0.690	0.630				X	6
1709-2		Within Series Adapter, Bulkhd, Hermetic	F-F	Nickel	2.250	1.150	0.690	0.630				X	6

SHV SERIES

PLUGS - K-GRIP, JR.

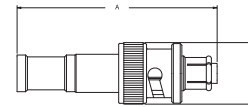


FIGURE 7

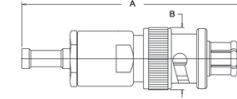


FIGURE 8

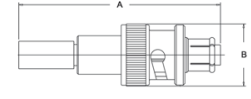


FIGURE 9

PLUG - CONVENTIONAL

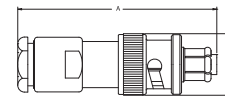


FIGURE 10

BULKHEAD JACK - K-GRIP, JR.

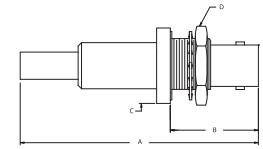


FIGURE 11

PANEL RECEPTACLE

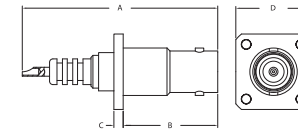


FIGURE 12

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1705-1		Plug, Weatherproof Crimp, PTFE Ins	M	Nickel	1.830	0.560			G1	CP-441	KTH-2062		7
1705-2		Plug, Weatherproof Crimp, PTFE Ins	M	Nickel	1.750	0.560			D	CP-441	KTH-2061		7
1705-2-1		Plug, Weatherproof Crimp, Rexolite Ins	M	Nickel	1.730	0.560			D	CP-441	KTH-2061		7
1705-21-9		Plug, Weatherproof Crimp, 6KV	M	Nickel	1.710	0.560			G1	CP-441	KTH-2062		7
1705-4		Plug, Weatherproof Crimp	M	Nickel	2.140	0.630			N1	CP-457	KTH-1079		7
1705-3		Plug, Weatherproof Crimp	M	Nickel	2.010	0.560			B1	CP-447	KTH-2071		8
1705-16 M06		Plug, Crimp, PTFE Ins	M	Nickel	1.790	0.560			40	CP-441	KTH-2001		9
1705-16-11		Plug, Crimp, Rexolite Ins	M	Nickel	1.770	0.560			40	CP-441	KTH-2001		9
1705-14		Plug, Conventional	M	Nickel	1.810	0.560			G1	CP-1001.3			10
1702-1		Jack, Bulkhd, Rear Mt	F	Nickel	2.200	0.810	0.690	0.630	G1	CP-441	KTH-2062	X	11
1702-2		Jack, Bulkhd, Rear Mt	F	Nickel	2.200	0.810	0.690	0.630	D	CP-441	KTH-2061	X	11
1702-4-11		Jack, Bulkhd, Rear Mt	F	Nickel	2.200	0.810	0.690	0.630	40	CP-441	KTH-2001	X	11
1707-1		Receptacle, Panel	M	Nickel	1.790	0.870	0.090	0.690		SOLDER			12

75 OHM BNC

CONNECTING INNOVATION TO APPLICATION®



75 OHM BNC



- 75 Ohm performance suitable for Analog, Serial Digital and HDTV applications.
- Meets or exceeds SMPTE 292 requirements.
- Several configurations available to fit a variety of cables.
- Simple, full crimp design for easy field installation.
- Quick connect and disconnect with Bayonet coupling.
- A Mini BNC version is also available - contact Customer Service for additional information.

SPECIFICATIONS

MATERIAL

Body: Brass
Outer Contact: Beryllium Copper
Insulator: PTFE
K-Grip Sleeve: Commercial Bronze

FINISHES

Body: Nickel
Contacts: Gold

ELECTRICAL

Impedance: 75 Ohms
Voltage Rating: 500 Volts RMS
Return Loss: Up to 1 GHz, -36 dB min
Up to 2 GHz, -25 dB min
Up to 3 GHz, -23 dB min
Up to 4 GHz, -20 dB min

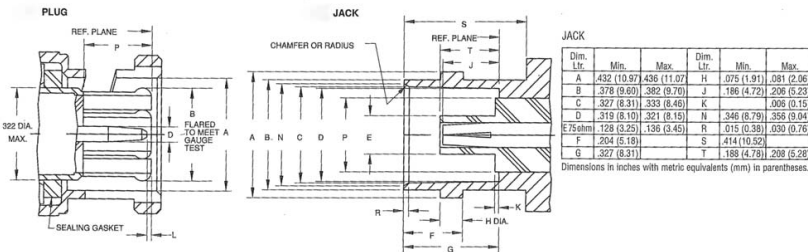
MECHANICAL

Life: 500 cycles minimum
Cable Retention: 10 lbs to 40 lbs, Depending on Cable Size
Engagement Force: 2.5 lbs maximum, Torque
3.0 lbs maximum, Longitudinal

ENVIRONMENTAL

Temperature: -65°C to +165°C
Moisture: 0 to 95%
MIL-STD-202 Method 106
Corrosion: MIL-STD-202 Method 101,
Test Condition B
Flammability: UL 94-VO Rated
Vibration: MIL-STD-202 Method 204,
Test Condition B

INTERFACE DIMENSIONS



75 OHM BNC

ADAPTERS

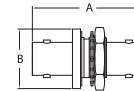


FIGURE 1

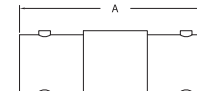


FIGURE 2



FIGURE 3

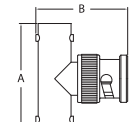


FIGURE 4

TERMINATION

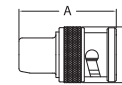


FIGURE 5

BULKHEAD JACK

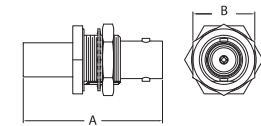


FIGURE 6

RECEPTACLES

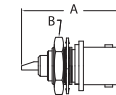


FIGURE 7

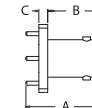


FIGURE 8

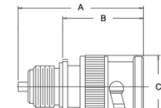


FIGURE 9

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole #	Figure #
2029-9-9		Adapter, Bulkhd, Jk-Jk	F-F	Nickel	1.280	0.690						X	1
2029-17-9 QD		Adapter, Bulkhd, Jk-Jk, Iso Gd, Hex	F-F	Nickel	1.280	0.630						X	1
2029-33-9		Adapter, Bulkhd, Jk-Jk, Iso Gd, Spanner	F-F	Nickel	1.280	0.630						X	1
2029-15-9		Adapter, Jk-Jk	F-F	Nickel	1.280								2
2029-20-9		Adapter, Rt Angle, Jk-Plg	F-M	Nickel	1.030	0.900							3
2029-16-9		Adapter, Tee, Jk-Plg-Jk	F-M-F	Nickel	1.280	1.060							4
2555-3-32		Termination, 0.1%, 1/2 Watt	M	Nickel	1.000	0.570							5
2022-29-9		Jack, Bulkhd, Rear Mt	F	Nickel	1.400	0.630			25	CP-465	KTH-2010	X	6
2022-32-9		Jack, Bulkhd, Rear Mt	F	Nickel	1.220	0.500			26	3-661-1	KTH-2185	AB	6
2022-17-29		Jack, Bulkhd, Rear Mt	F	Nickel	1.610	0.690			30	3-661-5	KTH-2186	X	6
2022-18-29		Jack, Bulkhd, Rear Mt	F	Nickel	1.610	0.630			31	3-661-5	KTH-2185	X	6
2022-28-9		Jack, Bulkhd, Rear Mt	F	Nickel	1.400	0.241			Q	CP-465	KTH-2010	X	6
2024-7-9		Receptacle, Bulkhd, Jack	F	Nickel	1.060	0.500				SOLDER		H	7
2027-17-29		Receptacle, PCB	F	Nickel	0.780	0.560	0.090			SOLDER			8
2024-16-9		Receptacle, Bulkhd, Plug	M	Nickel	1.130	0.723	0.573			SOLDER		AB	9

75 OHM BNC

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

ANGLE PLUGS

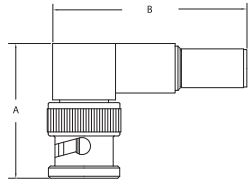


FIGURE 10

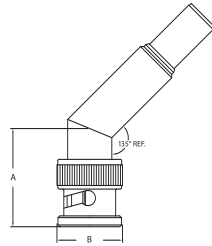


FIGURE 11

PLUGS

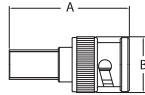


FIGURE 12

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
2026-16-9		Plug, Crimp, Rt Angle	M	Nickel	1.030	1.330			30	3-661-5	KTH-2186		10
2026-17-9		Plug, Crimp, Rt Angle	M	Nickel	1.030	1.330			31	3-661-5	KTH-2185		10
2026-33-9		Plug, Crimp, Rt Angle	M	Nickel	1.030	1.480			25	3-661-5	KTH-2255		10
2026-34-9		Plug, Crimp, Rt Angle	M	Nickel	1.030	1.480			Q	3-661-5	KTH-2119		10
2026-35-9		Plug, Crimp, 45 Deg Angle	M	Nickel	0.840	0.570			30	3-661-5	KTH-2186		11
2026-35-9 M66		Plug, Crimp, 45 Deg Angle, Bulk Pkg	M	Nickel	0.840	0.570			30	3-661-5	KTH-2186		11
2026-36-9		Plug, Crimp, 45 Deg Angle	M	Nickel	0.840	0.570			31	3-661-5	KTH-2185		11
2026-36-9 M66		Plug, Crimp, 45 Deg Angle, Bulk Pkg	M	Nickel	0.840	0.570			31	3-661-5	KTH-2185		11
2025-44-9		Plug, Crimp	M	Nickel	1.200	0.570			31	3-661-5	KTH-2185		12
2025-44-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.200	0.570			31	3-682	KTH-2185		12
2025-76-9		Plug, Crimp	M	Nickel	1.200	0.570			30	3-661-5	KTH-2186		12
2065-1-9		Plug, Crimp	M	Nickel	1.220	0.570			27	3-661-1	KTH-2261		12
2065-1-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.220	0.570			27	3-661-1	KTH-2261		12
2065-2-9		Plug, Crimp	M	Nickel	1.220	0.570			24	3-661-1	KTH-2261		12
2065-2-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.220	0.570			24	3-661-1	KTH-2261		12
2065-7-9		Plug, Crimp	M	Nickel	1.220	0.570			G1	3-661-1	KTH-2261		12
2065-7-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.220	0.570			G1	3-661-1	KTH-2261		12
2065-8-9		Plug, Crimp	M	Nickel	1.220	0.570			81	3-661-3	KTH-2004		12
2065-8-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.220	0.570			81	3-661-3	KTH-2004		12
2065-10-9		Plug, Crimp	M	Nickel	1.220	0.570			25	3-661-4	KTH-2255		12
2065-10-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.220	0.570			25	3-661-4	KTH-2255		12
2065-11-9		Plug, Crimp	M	Nickel	1.220	0.570			26	3-661-1	KTH-2025		12
2065-11-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.220	0.570			26	3-661-1	KTH-2025		12
2065-15-9		Plug, Crimp	M	Nickel	1.220	0.570			Q	3-661-4	KTH-2119		12
2065-15-9 M66		Plug, Crimp, Bulk Pkg	M	Nickel	1.220	0.570			Q	3-661-4	KTH-2119		12
2065-28-9		Plug, Crimp	M	Nickel	1.210	0.560			23B	3-661-1	KTH-2258		12
2065-29-9		Plug, Crimp	M	Nickel	1.210	0.560			23A	3-764-1	KTH-2276		12

75 OHM BNC

LONG BARREL BNC



SPECIFICATIONS

MATERIAL

Body:	Brass
Outer Contact:	Beryllium Copper
Insulator:	PTFE
K-Grip Sleeve:	Commercial Bronze

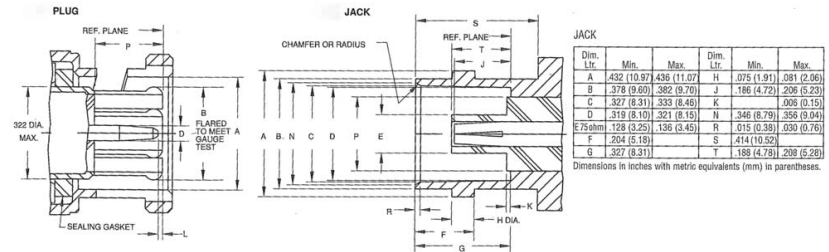
FINISHES

Body:	Nickel
Contacts:	Gold

ELECTRICAL

Impedance:	75 Ohms
Voltage Rating:	500 Volts RMS
Return Loss:	1.5 GHz, < -31 dB min 3 GHz, < -24 dB min 6 GHz, < -20 dB min
Contact Resistance:	Center 0.0014 Ohms Outer 0.002 Ohms
Insulation Resistance:	5000 megohms

INTERFACE DIMENSIONS



- 75 Ohm performance suitable for Analog, Serial Digital and HDTV applications.
- Meets or exceeds SMPTE 424M (3G-SDI) requirements.
- Several configurations available to fit a variety of cables.
- Simple, full crimp design for easy field installation.
- Quick connect and disconnect with Bayonet coupling.
- Ergonomic Design - longer grip

MECHANICAL

Life:	500 cycles minimum
Cable Retention:	10 lbs to 40 lbs, Depending on Cable Size

Engagement Force: 2.5 lbs maximum, Torque
3.0 lbs maximum, Longitudinal

ENVIRONMENTAL

Temperature:	-65°C to +165°C
Moisture:	0 to 95% MIL-STD-202 Method 106
Corrosion:	MIL-STD-202 Method 101, Test Condition B
Flammability:	UL 94-VO Rated
Vibration:	MIL-STD-202 Method 204, Test Condition B
Solvent Resistance:	MIL-STD-202 Method 215

LONG BARREL BNC

CONNECTING INNOVATION TO APPLICATION®

KINGS
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ELECTRONICS

PLUGS

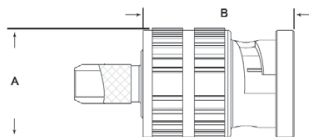


FIGURE 1

LONG BARREL BNC

Item Number	Military PN	Product Description	Gender	Finish	Dimensions A B	Contact Hex	Ferrule Hex	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
2065-E00-C7202N		Plug, 75 Ohm	M	Nickel	0.572 0.771	0.041	0.178	26	3-661-1	KTH-5003		1
2065-E00-C7102N		Plug, 75 Ohm	M	Nickel	0.572 0.771	0.041	0.255	24	3-661-1	KTH-5003		1
2065-E00-C9004N		Plug, 75 Ohm	M	Nickel	0.572 0.771	0.046	0.278	25	3-661-1	KTH-5003		1

PATCH PLUGS



- 75 Ohm Impedance, HDTV capable.
- Made to fit a variety of industry leading cables.
- Simple crimp style design allows for quick and easy field installation.
- Standard Size patch plugs mate with Standard Size video jacks (.090(Pin Size)
- Mid-Size patch plugs mate with Mid-Size video jacks (.050(Pin Size)

PATCH PLUG TERMINATION

- 75 Ohm Impedance, operates to 2.5 GHz.
- Durable construction.
- Eliminates open circuits by matching impedance of the connected line.
- Prevents signal reflection and possible associated equipment malfunction.

SPECIFICATIONS

MATERIAL

Body: Brass
Contacts: Brass
Insulators: PTFE
Crimp Sleeves: Commercial Bronze

FINISHES

Body: Nickel
Contacts: Gold

ELECTRICAL

Impedance: 75 Ohms
Frequency Range: DC to 2.5 GHz
Voltage Rating: 500 VRMS

MECHANICAL

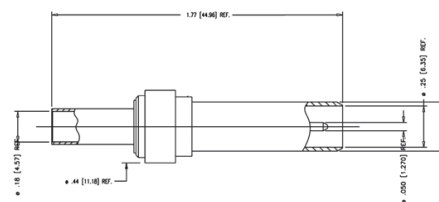
Life: 500 cycles minimum

ENVIRONMENTAL

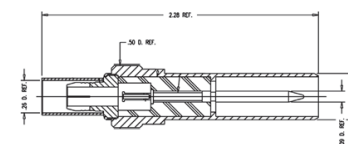
Moisture: MIL-STD-202 Method 106
Corrosion: MIL-STD-202 Method 101

INTERFACE DIMENSIONS

Mid-Size



Standard



PATCH PLUGS

CONNECTING INNOVATION TO APPLICATION®

KINGS®
by WINCHESTER
ELECTRONICS

PLUGS

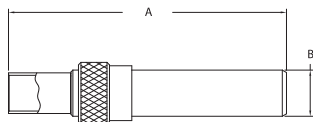


FIGURE 1

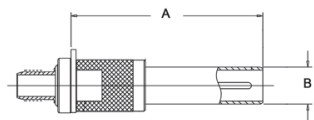


FIGURE 2

TERMINATION

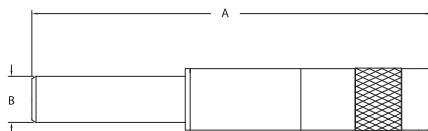
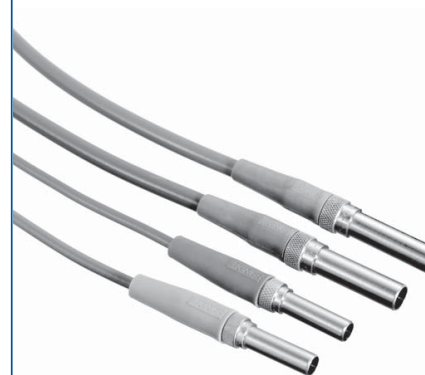


FIGURE 3

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7410-10 QD		Patch Plug, Mid-Size	M	Nickel	1.770	0.298			26	CP-401	KTH-2025		1
7410-16		Patch Plug, Mid-Size	M	Nickel	1.790	0.298			25	CP-401	KTH-2255		1
7410-20		Patch Plug, Mid-Size	M	Nickel	1.790	0.298			24	CP-401	KTH-2261		1
7510-1		Patch Plug, Standard Size	M	Nickel	2.280	0.375			G1	CP-470	KTH-2002		1
7510-16 QD		Patch Plug, Standard Size	M	Nickel	2.280	0.375			25	CP-470	KTH-2267		1
7510-21		Patch Plug, Standard Size	M	Nickel	2.280	0.375			24	CP-470	KTH-2261		1
7510-4		Patch Plug, Standard Size	M	Nickel	2.280	0.375			Q	CP-470	KTH-2012		1
7410-14		Patch Plug, Mid-Size	M	Nickel	1.550	0.300			30	3-661-5	KTH-2286		2
7410-15		Patch Plug, Mid-Size	M	Nickel	1.610	0.300			31	3-680	KTH-2185		2
7510-7		Patch Termination, 75 Ohm	M	Nickel	3.250	0.375							3

PATCH CORDS

PATCH PLUGS



- Pre-assembled for quick and easy installation.
- Available in 10 popular colors for visual signal identification or other personalization.
- Matching protective boots also included.

STANDARD SIZE:

- Each assembly contains two KINGS® Standard Size 75 Ohm patch plugs (7510-16).
- Terminated to Belden 1694A or equivalent cable in a variety of lengths.

MID-SIZE:

- Each assembly contains two KINGS® Mid-Size 75 Ohm patch plugs (7410-10).
- Terminated to Belden 1855A or equivalent cable in a variety of lengths.

**	COLOR
-01	BROWN
-02	RED
-03	ORANGE
-04	YELLOW
-05	GREEN
-06	BLUE
-07	VIOLET
-08	GREY
-09	WHITE
-10	BLACK

PATCH CORDS

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

CORDS

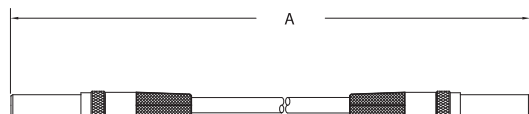
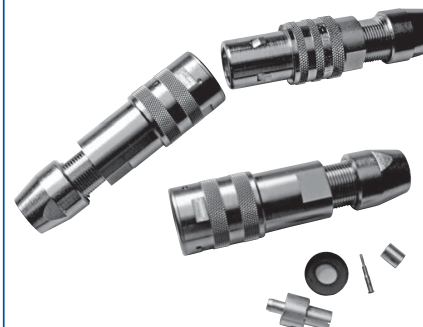


FIGURE 1

PATCH CORDS

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
K-8845-012-**		Standard Size, Belden 1694A, 12"	PATCH(M-M)		12.000								1
K-8845-120-**		Standard Size, Belden 1694A, 120"	PATCH(M-M)		120.000								1
K-8845-018-**		Standard Size, Belden 1694A, 18"	PATCH(M-M)		18.000								1
K-8845-024-**		Standard Size, Belden 1694A, 24"	PATCH(M-M)		24.000								1
K-8845-036-**		Standard Size, Belden 1694A, 36"	PATCH(M-M)		36.000								1
K-8845-048-**		Standard Size, Belden 1694A, 48"	PATCH(M-M)		48.000								1
K-8845-060-**		Standard Size, Belden 1694A, 60"	PATCH(M-M)		60.000								1
K-8845-072-**		Standard Size, Belden 1694A, 72"	PATCH(M-M)		72.000								1
K-8845-084-**		Standard Size, Belden 1694A, 84"	PATCH(M-M)		84.000								1
K-8845-096-**		Standard Size, Belden 1694A, 96"	PATCH(M-M)		96.000								1
K-8846-012-**		Mid-Size, Belden 1855A, 12"	PATCH(M-M)		12.000								1
K-8846-120-**		Mid-Size, Belden 1855A, 120"	PATCH(M-M)		120.000								1
K-8846-144-**		Mid-Size, Belden 1855A, 144"	PATCH(M-M)		144.000								1
K-8846-024-**		Mid-Size, Belden 1855A, 24"	PATCH(M-M)		24.000								1
K-8846-288-**		Mid-Size, Belden 1855A, 288"	PATCH(M-M)		288.000								1
K-8846-036-**		Mid-Size, Belden 1855A, 36"	PATCH(M-M)		36.000								1
K-8846-048-**		Mid-Size, Belden 1855A, 48"	PATCH(M-M)		48.000								1
K-8846-060-**		Mid-Size, Belden 1855A, 60"	PATCH(M-M)		60.000								1
K-8846-072-**		Mid-Size, Belden 1855A, 72"	PATCH(M-M)		72.000								1
K-8846-096-**		Mid-Size, Belden 1855A, 96"	PATCH(M-M)		96.000								1

TRI-LOC® SERIES



SPECIFICATIONS

MATERIAL

Body:	Brass
Center Contacts:	Brass (Male) Beryllium Copper (Female)
Insulators:	PTFE
Spring Member:	Beryllium Copper

FINISHES

Body:	Nickel
Center Contacts:	Gold over Nickel
Outer Contacts:	Silver

ELECTRICAL

Impedance:	75 Ohms
Return Loss:	Up to 500 MHz, -20 dB minimum Up to 750 MHz, -17 dB minimum
Operating Freq:	DC to 2.5 GHz

MECHANICAL

Life:	30,000 cycles minimum
Cable Retention:	140 lbs minimum, 1/2" diameter cable 100 lbs minimum, 3/8" diameter cable

ENVIRONMENTAL

Moisture:	0 to 98% MIL-STD-202 Method 106
Temperature:	-20° to +70° C
Corrosion:	MIL-STD-202 Method 101

- Durable weatherproof construction— Ideal for outdoor use.
- Performs in even the harshest environments.
- Easy, two-crimp installation of plugs and jacks.
- Push-on, pull-apart mating.
- Non-conductive anti-shock safety tip on contacts.
- 75 Ohm Impedance.
- Adapters are available in a variety of configurations.
- Inspection gauges allow for quick and easy verification of interface dimensions and proper mating.
- Inexpensive retrofit kits for field replacement of damaged or non-functioning internal Tri-Loc® parts.

STANDARD PLUG

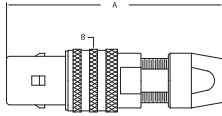


FIGURE 1

ANGLE PLUG

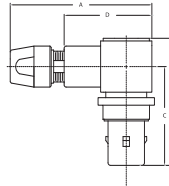


FIGURE 2

BULKHEAD PLUG - FRONT MOUNT

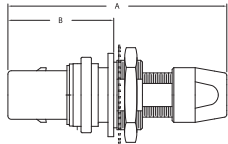


FIGURE 3

STANDARD JACK

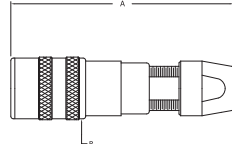


FIGURE 4

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7705-1		Plug	M	Nickel	3.880	1.140			70	KAI-8010	KTH-2040		1
7705-2		Plug	M	Nickel	3.880	1.140			73	KAI-8010	KTH-2002		1
7705-3		Plug	M	Nickel	3.880	1.140			74	KAI-8010	KTH-2041		1
7705-9		Plug	M	Nickel	3.880	1.140			76	KAI-8010	KTH-2002		1
7705-4		Plug	M	Nickel	3.880	1.140			78	KAI-8010	KTH-2002		1
7705-6		Plug	M	Nickel	3.880	1.140			79	KAI-8010	KTH-2040		1
7705-5		Plug	M	Nickel	3.880	1.140			80	KAI-8010	KTH-2012		1
7706-1		Plug, Angle	M	Nickel	3.440	3.100	2.410	2.140	73	3-499			2
7706-2		Plug, Angle	M	Nickel	3.440	3.100	2.410	2.140	74	3-499			2
7702-1		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			70	KAI-8010	KTH-2040	AH	3
7702-2		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			73	KAI-8010	KTH-2002	AH	3
7702-3		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			74	KAI-8010	KTH-2041	AH	3
KP-8012-767-400		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			76	KAI-8010	KTH-2002	AH	3
7702-14		Plug, Bulkhd, Front Mt	M	Nickel	3.880	1.950			79	KAI-8011	KTH-2040	AH	3
7703-1		Jack	F	Nickel	4.000	1.120			70	KAI-8010	KTH-2040		4
7703-2		Jack	F	Nickel	4.000	1.120			73	KAI-8010	KTH-2002		4
7703-3		Jack	F	Nickel	4.000	1.120			74	KAI-8010	KTH-2041		4
7703-9		Jack	F	Nickel	4.000	1.120			76	KAI-8010	KTH-2002		4
7703-6		Jack	F	Nickel	4.000	1.120			78	KAI-8010	KTH-2002		4
7703-8		Jack	F	Nickel	4.000	1.120			79	KAI-8010	KTH-2040		4
7703-7		Jack	F	Nickel	4.000	1.120			80	KAI-8010	KTH-2012		4

ANGLE JACK

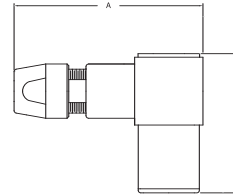


FIGURE 5

ANGLE BULKHEAD JACK
REAR MOUNT

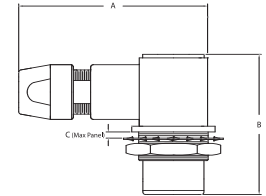


FIGURE 6

BULKHEAD JACK - FRONT MOUNT

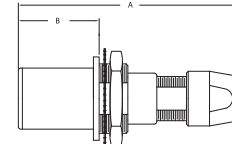


FIGURE 7

BULKHEAD JACK - REAR MOUNT

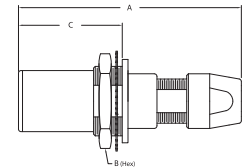


FIGURE 8

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7703-4		Jack, Angle	F	Nickel	3.440	2.490			73	3-499			5
7703-5		Jack, Angle	F	Nickel	3.440	2.490			74	3-499			5
7702-10		Jack, Angle, Bulkhd, Rear Mt	F	Nickel	3.440	2.490	0.250		70	3-499		AG	6
7702-11		Jack, Angle, Bulkhd, Rear Mt	F	Nickel	3.440	2.490	0.250		73	3-499		AG	6
7702-12		Jack, Angle, Bulkhd, Rear Mt	F	Nickel	3.440	2.490	0.250		74	3-499		AG	6
7702-4		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			70	KAI-8010	KTH-2040	AH	7
7702-5		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			73	KAI-8010	KTH-2002	AH	7
7702-6		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			74	KAI-8010	KTH-2041	AH	7
7702-13		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			76	KAI-8010	KTH-2002	AH	7
7702-17		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			78	KAI-8010	KTH-2002	AH	7
7702-15		Jack, Bulkhd, Front Mt	F	Nickel	4.000	1.480			79	KAI-8011	KTH-2040	AH	7
7702-7		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		70	KAI-8010	KTH-2040	AH	8
7702-8		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		73	KAI-8010	KTH-2002	AH	8
7702-9		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		74	KAI-8010	KTH-2041	AH	8
KP-8021-767-400		Jack, Bulkhd, Rear Mt	F	Nickel	4.000	1.500	1.830		76	KAI-8010	KTH-2002	AH	8

ADAPTERS

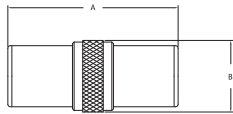


FIGURE 9

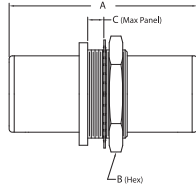


FIGURE 10

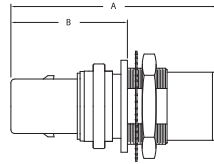


FIGURE 11

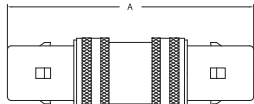


FIGURE 12

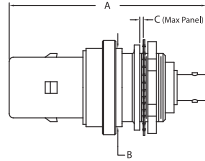


FIGURE 13

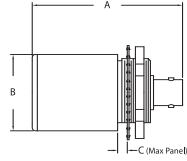


FIGURE 14

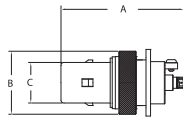


FIGURE 15

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7709-1		Adapter, Jack-Jack	F-F	Nickel	2.750	1.260							9
7709-2		Adapter, Jack-Jack, Blkh	F-F	Nickel	2.750	1.500	0.250					AG	10
7709-3		Adapter, Jack-Jack, Blkh	F-F	Nickel	2.750	1.500	0.250					AH	10
7709-5		Adapter, Jack-Plug, Blkh	F-M	Nickel	3.350	1.950						AH	11
7709-6		Adapter, Plug-Plug	M-M	Nickel	4.000								12
KP-8001-001-012		Adapter, Bulkhd, Tri-Loc to BNC	TLOC(M)-BNC(F)	Nickel	2.880	1.120	0.233					AD	13
KP-8001-002-012		Adapter, Bulkhd, Tri-Loc to BNC	TLOC(M)-BNC(F)	Nickel	2.880	1.120	0.233					AE	13
KP-8002-002-012		Adapter, Bulkhd, Tri-Loc to BNC	TLOC(F)-BNC(F)	Nickel	2.150	1.120	0.318					AE	14
7709-8		Adapter, Panel, Tri-Loc to SMB	TLOC(M)-SMB(F)	Nickel	2.690	1.380	0.890					AJ	15

BULKHEAD RECEPTACLE
FRONT MOUNT

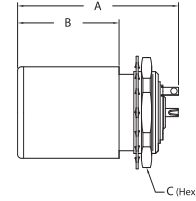


FIGURE 16

PANEL RECEPTACLE
FRONT MOUNT

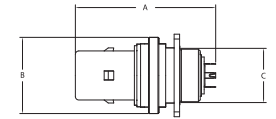


FIGURE 17

RETRO-FIT KITS, INSPECTION GAUGES

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7704-1		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AD	16
7704-2		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AE	16
7704-3		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AF	16
7704-4		Receptacle, Bulkhd, Front Mt	F	Nickel	1.970	1.250	1.250			SOLDER		AC	16
7704-5		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AD	16
7704-6		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AE	16
7704-7		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AF	16
7704-8		Receptacle, Bulkhd, Front Mt	M	Nickel	2.570	1.500	1.250			SOLDER		AC	16
7704-9		Receptacle, Bulkhd, Front Mt	F	Nickel	2.570	1.378	1.000			SOLDER		AI	16
7707-1		Receptacle, Panel	F	Nickel	2.570	1.380	0.980			SOLDER		AK	17
7708-4		Retrofit Kit, Standard Female, CG 70	F						70		KTH-2040		
7708-5		Retrofit Kit, Standard Female, CG 73/76/78	F						73/76/78		KTH-2002		
7708-6		Retrofit Kit, Standard Female, CG 74	F						74		KTH-2041		
7708-7		Retrofit Kit, Standard Female, CG 79	F						79		KTH-2040		
7708-12		Retrofit Kit, Standard Female, CG 80	F						80		KTH-2012		
7708-1		Retrofit Kit, Standard Male, CG 70	M						70		KTH-2040		
7708-8		Retrofit Kit, Standard Male, CG 79	M						79		KTH-2040		
7708-2		Retrofit Kit, Standard Male, CG 73/76/78	M						73/76/78		KTH-2002		
7708-3		Retrofit Kit, Standard Male, CG 74	M						74		KTH-2041		
7708-11		Retrofit Kit, Standard Male, CG 80	M						80		KTH-2012		
KP-8000-063		Gauge, Inner Body to Center Conductor (F)	F										
KP-8000-061		Gauge, Inner Body to Center Conductor (M)	M										
KP-8000-062		Gauge, Inner Body to Outer Body (F)	F										
KP-8000-060		Gauge, Inner Body to Outer Body (M)	M										

INTERNATIONAL TRI-LOC®

CONNECTING INNOVATION TO APPLICATION®



INTERNATIONAL TRI-LOC®



SPECIFICATIONS

MATERIAL

Body:	Brass
Entry Body:	Beryllium Copper
Insulators:	PTFE
Spring Member:	Beryllium Copper
Crimp Sleeves:	Commercial Bronze

FINISHES

Body:	Nickel
Center Contacts:	Gold

ELECTRICAL

Impedance:	75 Ohms
Return Loss:	Up to 500 MHz, -20 dB minimum Up to 750 MHz, -17 dB minimum
Operating Freq:	DC to 2.5 GHz

MECHANICAL

Life:	30,000 cycles minimum
Cable Retention:	140 lbs minimum, 1/2" diameter cable 100 lbs minimum, 3/8" diameter cable

ENVIRONMENTAL

Moisture:	0 to 98% MIL-STD-202 Method 106
Temperature:	-20° to +70° C
Corrosion:	MIL-STD-202 Method 101

- 75 Ohm performance is suitable for Analog, Serial Digital, and HDTV.
- Rugged weatherproof design—Ideal for outdoor use.
- Meets or exceeds SMPTE 292 requirements.
- Mates with Fischer 1051 Series triaxial connectors.
- Push-on coupling with audible "snap" to ensure proper mating.
- Plugs and jacks available for 8mm, 11mm, and 14mm cables.
- Retro Fit kits available for field replacement without re-termination of entire connector.

INTERNATIONAL TRI-LOC®

STANDARD JACK

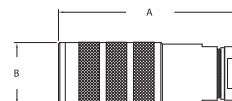


FIGURE 1

BULKHEAD JACK - FRONT MOUNT

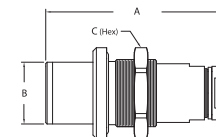


FIGURE 2

BULKHEAD RECEPTACLE - FRONT MOUNT

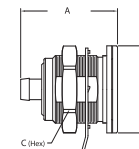


FIGURE 3

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
780370		Jack, Crimp	F	Nickel	2.690	0.905			70	3-651	KTH-2040		1
780373		Jack, Crimp	F	Nickel	2.690	0.905			73	3-651	KTH-8001		1
780374		Jack, Crimp	F	Nickel	2.690	0.905			74	3-651	KTH-8002		1
780376		Jack, Crimp	F	Nickel	2.690	0.905			76	3-651	KTH-8001		1
780380		Jack, Crimp	F	Nickel	2.690	0.905			80	3-651	KTH-2004		1
780390		Jack, Crimp	F	Nickel	2.690	0.905			90	3-651	KTH-2267		1
780270		Jack, Crimp, Bulkhd	F	Nickel	2.690	0.905	1.187		70	3-651	KTH-2040		2
780273		Jack, Crimp, Bulkhd	F	Nickel	2.690	0.905	1.187		73	3-651	KTH-8001	AL	2
780274		Jack, Crimp, Bulkhd	F	Nickel	2.690	0.905	1.187		74	3-651	KTH-8002	AL	2
780276		Jack, Crimp, Bulkhd	F	Nickel	2.690	0.905	1.187		76	3-651	KTH-8001	AL	2
780280		Jack, Crimp, Bulkhd	F	Nickel	2.690	0.905	1.187		80	3-651	KTH-2004		2
780290		Jack, Crimp, Bulkhd	F	Nickel	2.690	0.905	1.187		90	3-651	KTH-2267		2
781273		Receptacle, Plug, Bulkhd	M	Nickel	1.580	1.416	1.250		73	3-794	KTH-2260	AM	3

STANDARD PLUG

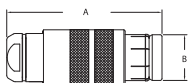


FIGURE 4

BULKHEAD PLUG - FRONT MOUNT

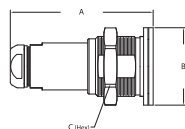


FIGURE 5

RETRO-FIT KITS

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
780670		Plug, Crimp	M	Nickel	2.529	0.744			70	3-651	KTH-2040		4
780673		Plug, Crimp	M	Nickel	2.529	0.744			73	3-651	KTH-2043		4
780674		Plug, Crimp	M	Nickel	2.529	0.744			74	3-651	KTH-8002		4
780676		Plug, Crimp	M	Nickel	2.529	0.744			76	3-651	KTH-8001		4
780680		Plug, Crimp	M	Nickel	2.529	0.744			80	3-651	KTH-2004		4
780690		Plug, Crimp	M	Nickel	2.529	0.744			90	3-651	KTH-2267		4
780570		Plug, Crimp, Bulkhd	M	Nickel	2.614	1.416	1.250		70	3-651	KTH-2040		5
780573		Plug, Crimp, Bulkhd	M	Nickel	2.614	1.416	1.250		73	3-651	KTH-8001	AM	5
780574		Plug, Crimp, Bulkhd	M	Nickel	2.614	1.416	1.250		74	3-651	KTH-8002	AM	5
780576		Plug, Crimp, Bulkhd	M	Nickel	2.614	1.416	1.250		76	3-651	KTH-8001	AM	5
780580		Plug, Crimp, Bulkhd	M	Nickel	2.614	1.416	1.250		80	3-651	KTH-2004	AM	5
780590		Plug, Crimp, Bulkhd	M	Nickel	2.614	1.416	1.250		90	3-651	KTH-2267	AM	5
783870		Retrofit Kit, Female, CG 70	F						70				
783873		Retrofit Kit, Female, CG 73	F						73				
783874		Retrofit Kit, Female, CG 74	F						74				
783876		Retrofit Kit, Female, CG 76	F						76				
783880		Retrofit Kit, Female, CG 80	F						80				
783890		Retrofit Kit, Female, CG 90	F						90				
785870		Retrofit Kit, Male, CG 70	M						70				
785873		Retrofit Kit, Male, CG 73	M						73				
785874		Retrofit Kit, Male, CG 74	M						74				
785876		Retrofit Kit, Male, CG 76	M						76				
785880		Retrofit Kit, Male, CG 80	M						80				
785890		Retrofit Kit, Male, CG 90	M						90				

1.0/2.3 DIN



- Quick connect Push/Pull system.
- Locking mechanism that will not vibrate loose as threaded connectors are prone to do.
- When mated, the connectors can rotate 360°.
- Allows for connectors to be 2-3 times more densely packed than BNC's.
- Operation up to 10 GHz.
- Supports 3Gbps HD SDI applications.
- Uses existing tooling.
- Crimp center contact.

SPECIFICATIONS

MATERIAL

Body:	Brass
Center Contacts:	Beryllium Copper
Insulators:	PTFE
Ferrule:	Bronze

FINISHES

Body:	Nickel over Copper
Outer & Center Contacts:	Gold over Nickel
Ferrule:	Nickel over Copper

ELECTRICAL

Impedance:	75 Ohms
Return Loss:	1 GHz < -32 dB
	3 GHz < -23 dB
	6 GHz < -15 dB
Frequency Range:	DC to 10 GHz

MECHANICAL

Life:	500 cycles minimum
Mating:	Push/Pull, Slide-on

1.0/2.3 DIN

CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

PLUGS

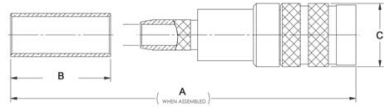


FIGURE 1

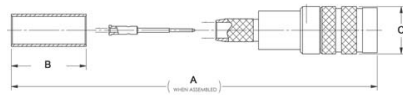


FIGURE 2

PCB JACK



FIGURE 3

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
0345-E00-C7201N		Plug, 75 Ohm, Captured C/C	M	Nickel	1.287	0.500	0.315		26	CAP-E02	KTH-2025		1
0345-E00-C7202N		Plug, 75 Ohm	M	Nickel	1.287	0.500	0.315		26	CAP-E03	KTH-2025		2
034B-060-00401H		Jack, 75 Ohm, Right Angle, PCB	F	Gold	0.292	0.808	0.670						3

1.0/2.3 DIN

AUDIO-VIDEO PATCHING



SPECIFICATIONS

AUDIO-VIDEO JACKS:

MATERIAL

Plug Insulators:	PTFE
Top & Bottom Insulators:	Polymethylpentene
Termination Contacts:	Beryllium Copper
Female Contacts:	Beryllium Copper
Male Contacts:	Brass
All Other Metal Parts:	Zinc

FINISHES

Contacts:	Gold
All Other Parts:	Nickel

ELECTRICAL

Impedance:	75 Ohms
Frequency Range:	DC to 2.4 GHz
Voltage Rating:	500 Volts RMS
Termination Resistance:	75 Ohms, 2%
Return Loss:	-20 dB Maximum to 1.5 GHz -14 dB Maximum to 2.4 GHz

MECHANICAL

Life:	30,000 Cycles
-------	---------------

- 75 Ohm Nominal Impedance.
- Micro-miniature size permits higher circuit density - Up to 56 circuits per 19" panel.
- Positive locking equipment connections prevent accidental unmating.
- Crimp contacts allow for in-house installation.
- Patch and equipment plugs designed to terminate to popular industry cables, such as Belden 1855A and GepCo VDM 230.
- Frequency Range: Up to 2.4 GHz

PATCH AND EQUIPMENT PLUGS:

MATERIAL

Insulators:	PTFE
Gaskets:	Silicone Rubber
All Other Metal Parts:	Brass

FINISHES

Contacts:	Gold
All Other Parts:	Nickel

ELECTRICAL

Impedance:	75 Ohms
Frequency Range:	DC to 2.4 GHz
Voltage Rating:	500 Volts RMS
Return Loss:	-23 dB Maximum to 2.4 GHz

MECHANICAL

Life:	30,000 Cycles
-------	---------------

PATCH PANEL:

MATERIAL

Audio-Video Jacks:	See Specifications for Individual Products
Designation Strip Cover:	Lexan
Screws:	Brass
Face Panel:	Black GE Noryl or Arboron
All Other Metal Parts:	Cold Rolled Steel

JACK

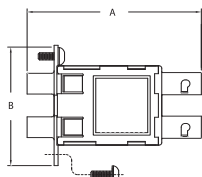


FIGURE 1

JACKFIELD

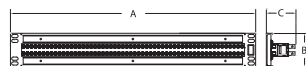


FIGURE 2

EQUIPMENT PLUG

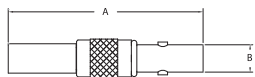


FIGURE 3

PATCH PLUG

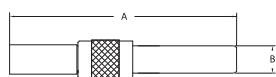


FIGURE 4

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
8600-2		Mini Audio/Video Jack, Dual, Terminated	F	Nickel	2.200	1.500							1
8601-1		Mini Audio/Video Jackfield	F		19.000	2.570	2.360						2
8605-3-9		Mini Audio/Video Equipment Plug	M	Nickel	1.430	0.200			26	3-661-6	KTH-2025		3
8608-2-9		Mini Audio/Video Patch Plug	M	Nickel	1.640	0.200			26	3-661-6	KTH-2025		4



- 75 Ohm Nominal Impedance – suitable for Analog, Serial Digital, and HDTV applications.
- Offers higher panel density and increased frequency range.
- Mates with standard BNC plugs and mid-size (0.050" center pin) patch plugs.
- Meets SMPTE 424M (3G-SDI) and HDTV standards.
- Terminated, un-terminated, and feed-through versions available in dual or single configurations.
- Frequency Range: Up to 3.5 GHz

SPECIFICATIONS

MATERIAL

Body:	Brass or Zinc Alloy
Contacts:	Beryllium Copper
Springs:	Beryllium Copper
Insulators:	PTFE
Dielectrics:	Topas®

FINISHES

Body:	Nickel
Contacts:	Gold

ELECTRICAL

Impedance:	75 Ohms
Frequency Range:	Dual Jacks: DC to 4.1 GHz
	Single Jacks: DC to 3.0 GHz
Return Loss:	Dual Jacks: -20 dB Minimum to 2.4 GHz
	-10 dB Minimum to 4.1 GHz
	Single Jacks: -20 dB Minimum to 1.5 GHz
	(self-terminated) -10 dB Minimum to 3.0 GHz

MECHANICAL

Life:	30,000+ Cycles
Withdrawal Force:	2.0 Pounds Minimum

ENVIRONMENTAL

Temperature Range:	-40° C to +85° C
Corrosion:	MIL-STD-202, Method 101
Moisture Resistance:	MIL-STD-202, Method 106

MID-SIZE VIDEO JACKS

CONNECTING INNOVATION TO APPLICATION®



DUAL

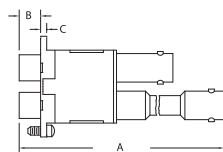


FIGURE 1

SINGLE

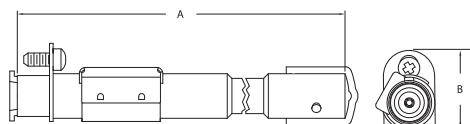


FIGURE 2

MID-SIZE VIDEO JACKS

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7790-4		Mid-Size, Dual, Feed Through	F-F	Nickel	3.375	0.285	0.081						1
7790-3		Mid-Size, Dual, Non Terminated	F-F	Nickel	3.375	0.285	0.081						1
7790-2		Mid-Size, Dual, Terminated	F-F	Nickel	3.375	0.285	0.081						1
7772-2		Mid-Size, Single, Non Terminated, Long	F-F	Nickel	3.389	0.665							2
7772-1		Mid-Size, Single, Non Terminated, Short	F-F	Nickel	2.060	0.665							2
7772-4		Mid-Size, Single, Terminated, Long	F-F	Nickel	3.389	0.359	0.665						2
7772-3		Mid-Size, Single, Terminated, Short	F-F	Nickel	2.060	0.359	0.665						2

STANDARD VIDEO JACKS



- 75 Ohm Nominal Impedance – suitable for Analog, Serial Digital, and HDTV applications.
- Mates with standard BNC plugs and standard (0.090" center pin) patch plugs.
- Meets SMPTE 424M and HDTV standards.
- Terminated, un-terminated, and feed-through versions available in dual or single configurations.
- Frequency Range: Up to 3.5 GHz

SPECIFICATIONS

MATERIAL

Body:	Zinc Alloy
Contacts:	Beryllium Copper or Brass
Springs:	Beryllium Copper
Insulators:	PTFE or Delrin®
Dielectrics:	Zytel®

FINISHES

Body:	Nickel
Center Contacts:	Gold

ELECTRICAL

Impedance:	75 Ohms
Frequency Range:	Dual Jacks: DC to 3.5 GHz
	Single Jacks: DC to 1.5 GHz
Return Loss:	Dual Jacks: -15 dB Minimum to 2.4 GHz
	-10 dB Minimum to 3.5 GHz
	Single Jacks: -18 dB Minimum to 750 MHz
	(self-terminated) -10 dB Minimum to 1.5 GHz

MECHANICAL

Life:	50,000 Cycles
Withdrawal Force:	3.0 Pounds Minimum

ENVIRONMENTAL

Temperature Range:	-40° C to +85° C
Corrosion:	MIL-STD-202, Method 101, Condition B
Moisture Resistance:	MIL-STD-202, Method 106

STANDARD VIDEO JACKS

CONNECTING INNOVATION TO APPLICATION®

KINGS®
by WINCHESTER
ELECTRONICS

DUAL

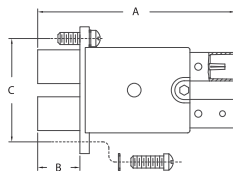


FIGURE 1

SINGLE

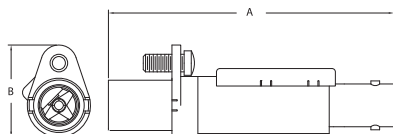


FIGURE 2

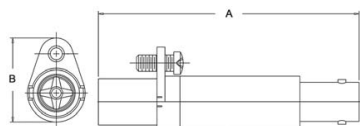
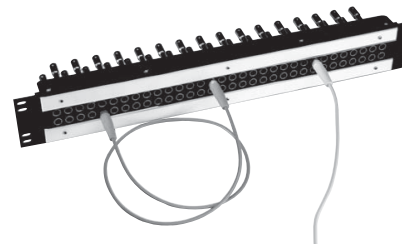


FIGURE 3

STANDARD VIDEO JACKS

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7780-4		Standard Size, Dual, Feed Through	F-F	Nickel	2.650	0.560							1
7780-7		Standard Size, Dual, Feed Through, Threaded Flange	F-F	Nickel	2.650	0.560	1.380						1
7780-3		Standard Size, Dual, Non Terminated	F-F	Nickel	2.650	0.560	1.380						1
7780-6		Standard Size, Dual, Non Terminated, Threaded Flange	F-F	Nickel	2.650	0.560	1.380						1
7780-2		Standard Size, Dual, Terminated	F-F	Nickel	2.650	0.560	1.380						1
7780-5		Standard Size, Dual, Terminated, Threaded Flange	F-F	Nickel	2.650	0.560	1.380						1
7520-10		Standard Size, Single, Terminated	F-F	Nickel	2.540	0.820							2
7520-9		Standard Size, Single, Non Terminated	F-F	Nickel	2.540	0.820							3

POPULATED VIDEO JACKFIELDS



- 75 Ohm Nominal Impedance – suitable for Analog, Serial Digital, and HDTV applications.
- Industry standard 19" panels pre-populated with KINGS® Brand single or dual video jacks.
- Standard size jacks available in configurations up to 28 circuits across.
- Mid-size jacks available in configurations up to 32 circuits across.
- Terminated, un-terminated, and feed-through versions available.

SPECIFICATIONS

MATERIAL

Panels: Smooth Black Phenolic
Labels: Designation Strip with Clear Plastic Cover
Video Jacks: See Specifications for Individual Products

POPULATED VIDEO JACKFIELDS

CONNECTING INNOVATION TO APPLICATION®



FEED-THROUGH PANEL - 75 OHM BNC

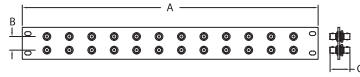


FIGURE 1

MID-SIZE

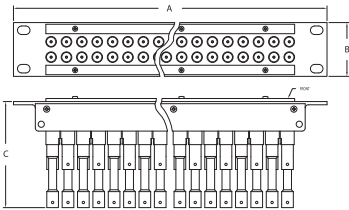


FIGURE 2

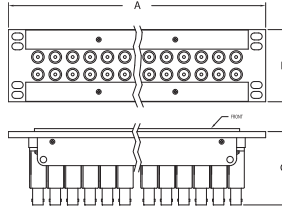


FIGURE 3

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7675-2		75 BNC Feed Through, Single, 1 RU x 10	F		14.000	1.750	1.280						N/S
7676-2		75 BNC Feed Through, Single, 1 RU x 32	F		19.000	1.750	1.280						N/S
7675-5		75 BNC Feed Through, Single, 2 RU x 40	F		19.000	0.820	1.280						1
7795-1		Mid-Size, Dual, Terminated, 1 RU x 24	F		19.000	1.750	3.450						2
7795-11		Mid-Size, Dual, Terminated, 1 RU x 30	F		19.000	1.750	3.450						2
7795-12		Mid-Size, Dual, Terminated, 1 RU x 32	F		19.000	1.750	3.450						2
7795-13		Mid-Size, Dual, Terminated, 1 RU x 34	F		19.000	1.750	3.450						2
7795-27		Mid-Size, Dual, Terminated, 4 RU x 96	F		19.000	7.000	3.600						N/S
7475-21		Mid-Size, Single, Patch-Through, 1 RU x 32	F		19.000	1.750	3.450						2
7795-15		Mid-Size, Single, Patch-Through, 1 RU x 34	F		19.000	1.730	3.390						2
7475-22		Mid-Size, Single, Patch-Through, 1.5 RU x 32	F		19.000	2.590	3.450						3
7795-29		Mid-Size, Single, Terminated, 1.5 RU x 32	F		19.000	2.590	3.600						3
7795-17		Mid-Size, Dual, Terminated, 2 RU x 24	F		19.000	3.500	3.450						3
7795-14		Mid-Size, Dual, Terminated, 1.5 RU x 32	F		19.000	2.590	3.600						3

POPULATED VIDEO JACKFIELDS

STANDARD SIZE

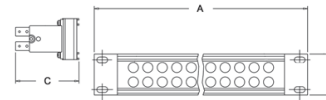


FIGURE 4

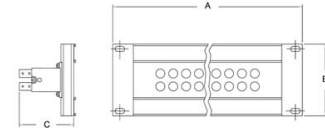


FIGURE 5

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
7575-45		Standard Size, Single, Terminated, 1.5 RU x 48	F		19.000	2.590	2.540	15.500					3
7575-46		Standard Size, Single, Terminated, 1.5 RU x 56	F		19.000	2.590	2.540	17.750					3
7785-41		Standard Size, Dual, Terminated, 1.5 RU x 24	F		19.000	2.590	2.650	15.500					3
7785-40		Standard Size, Dual, Terminated, 1.5 RU x 28	F		19.000	2.590	2.640	17.750					3
7785-42		Standard Size, Dual, Feed Through, 1 RU x 24	F		19.000	1.750	2.800						4
7785-29		Standard Size, Dual, Non Terminated, 1 RU x 24	F		19.000	1.750	2.800						4
7785-31		Standard Size, Dual, Non Terminated, 1 RU x 26	F		19.000	1.750	2.800						4
7785-6		Standard Size, Dual, Terminated, 1 RU x 24	F		19.000	1.750	2.800						4
7785-7		Standard Size, Dual, Terminated, 1 RU x 26	F		19.000	1.750	2.800						4
7575-13		Standard Size, Single, Terminated, 1 RU x 24	F		19.000	1.750	2.620						4
7575-24		Standard Size, Single, Terminated, 1 RU x 48	F		19.000	1.750	2.620						4
7575-47		Standard Size, Single, Terminated, 1 RU x 52	F		19.000	1.750	2.620						4
7575-21		Standard Size, Single, Non Terminated, 1 RU x 48	F		19.000	1.750	2.620						4
7785-8		Standard Size, Dual, Terminated, 2 RU x 24	F		19.000	3.500	2.800						5
7785-4		Standard Size, Dual, Terminated, 2 RU x 26	F		19.000	3.500	2.800						5
7785-5		Standard Size, Dual, Terminated, 2 RU x 26	F		19.000	3.500	2.800						5
7785-32		Standard Size, Dual, Non Terminated, 2 RU x 24	F		19.000	3.500	2.800						5
7785-30		Standard Size, Dual, Non Terminated, 2 RU x 26	F		19.000	3.500	2.800						5
7785-27		Standard Size, Dual, Terminated, 4 RU x 75	F		19.000	7.000	2.620						N/S
7575-18		Standard Size, Single, Non Terminated, 2 RU x 48	F		19.000	3.500	2.800						5
7575-15		Standard Size, Single, Terminated, 2 RU x 48	F		19.000	3.500	2.620						5
7575-26		Standard Size, Single, Terminated, 4 RU x 150	F		19.000	7.000	2.620						N/S

TOOLS & ACCESSORIES

CONNECTING INNOVATION TO APPLICATION®

KINGS®
by WINCHESTER
ELECTRONICS

TOOLS & ACCESSORIES



STRAIN RELIEF BOOTS

- Protects from wear, fatigue, and weather.
- Designed to fit a variety of industry-leading broadcast cables.
- Available in 10 popular colors.



KTH-1000

HAND CRIMPING TOOL

- Field-tested and approved - an industry favorite.
- Ratchet-type tool does not release until crimp is complete.
- Robust and reliable - frame made of heavy-duty, lightweight aluminum.
- Interchangeable dies available to fit a variety of connector and cable types.



KTH-5000

HAND CRIMPING TOOL

- Economical and user-friendly alternative to other industrial crimping tools.
- Lightweight, ergonomic tool allows for one-handed operation.
- Ultra-smooth ratchet design with rubber grip handles.
- Available dies developed specifically for precise crimping of KINGS® connectors.



KTM-5000

PNEUMATIC CRIMPING MACHINE

- Portable, bench-mounted with no permanent lines attached.
- Designed for use with KINGS® KTH-1000 and KTH-2000 die sets.
- Ideal for long or short production runs.
- Convenient foot control frees operator hands for crimping.
- Quick and easy changing from one die to another.
- Pneumatic interlock feature guarantees constant crimping.
- Designed with OSHA safety requirements in mind.
- Low maintenance.



KTS-8-1 AND KTS-8-2

MANUAL STRIPPING TOOLS

- Hand-held tool is lightweight and compact - ideal for field use.
- Blade cassettes and memory blocks interchange quickly and easily.
- Cam adjustment ensures precise hold on cable without distorting the jacket.
- KTS-8-1 is designed specifically for the Belden 179 DT Cable.
- KTS-8-2 is adjustable for use in most two- and three-piece BNC applications.

TOOLS & ACCESSORIES

STRAIN RELIEF BOOTS

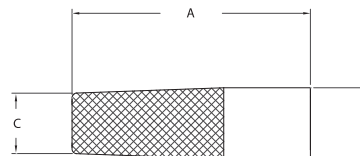


FIGURE 1

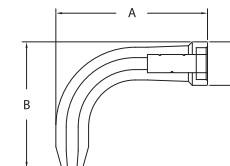


FIGURE 2

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1-8065-1		Boot for 735 Cable, Brown			1.520	0.442 0.324		31				1
1-8065-2		Boot for 735 Cable, Red			1.520	0.442 0.324		31				1
1-8065-3		Boot for 735 Cable, Orange			1.520	0.442 0.324		31				1
1-8065-4		Boot for 735 Cable, Yellow			1.520	0.442 0.324		31				1
1-8065-5		Boot for 735 Cable, Green			1.520	0.442 0.324		31				1
1-8065-6		Boot for 735 Cable, Blue			1.520	0.442 0.324		31				1
1-8065-7		Boot for 735 Cable, Violet			1.520	0.442 0.324		31				1
1-8065-8		Boot for 735 Cable, Grey			1.520	0.442 0.324		31				1
1-8065-9		Boot for 735 Cable, White			1.520	0.442 0.324		31				1
1-8065-10		Boot for 735 Cable, Black			1.520	0.442 0.324		31				1
1-8066-1		Boot for 734 Cable, Brown			1.520	0.442 0.324		30				1
1-8066-2		Boot for 734 Cable, Red			1.520	0.442 0.324		30				1
1-8066-3		Boot for 734 Cable, Orange			1.520	0.442 0.324		30				1
1-8066-4		Boot for 734 Cable, Yellow			1.520	0.442 0.324		30				1
1-8066-5		Boot for 734 Cable, Green			1.520	0.442 0.324		30				1
1-8066-6		Boot for 734 Cable, Blue			1.520	0.442 0.324		30				1
1-8066-7		Boot for 734 Cable, Violet			1.520	0.442 0.324		30				1
1-8066-8		Boot for 734 Cable, Grey			1.520	0.442 0.324		30				1
1-8066-9		Boot for 734 Cable, White			1.520	0.442 0.324		30				1
1-8066-10		Boot for 734 Cable, Black			1.520	0.442 0.324		30				1
1-8114-1 QD		Boot for 1694A Cable, Brown			1.540	0.460 0.390		25				1
1-8114-2 QD		Boot for 1694A Cable, Red			1.540	0.460 0.390		25				1
1-8114-3 QD		Boot for 1694A Cable, Orange			1.540	0.460 0.390		25				1
1-8114-4 QD		Boot for 1694A Cable, Yellow			1.540	0.460 0.390		25				1
1-8114-5 QD		Boot for 1694A Cable, Green			1.540	0.460 0.390		25				1
1-8114-6 QD		Boot for 1694A Cable, Blue			1.540	0.460 0.390		25				1
1-8114-7 QD		Boot for 1694A Cable, Violet			1.540	0.460 0.390		25				1
1-8114-8 QD		Boot for 1694A Cable, Grey			1.540	0.460 0.390		25				1
1-8114-9 QD		Boot for 1694A Cable, White			1.540	0.460 0.390		25				1
1-8114-10 QD		Boot for 1694A Cable, Black			1.540	0.460 0.390		25				1
1-8115-1 QD		Boot for 1855A Cable, Brown			1.540	0.460 0.347		26				1
1-8115-2 QD		Boot for 1855A Cable, Red			1.540	0.460 0.347		26				1
1-8115-3 QD		Boot for 1855A Cable, Orange			1.540	0.460 0.347		26				1
1-8115-4 QD		Boot for 1855A Cable, Yellow			1.540	0.460 0.347		26				1
1-8115-5 QD		Boot for 1855A Cable, Green			1.540	0.460 0.347		26				1
1-8115-6 QD		Boot for 1855A Cable, Blue			1.540	0.460 0.347		26				1

TOOLS & ACCESSORIES

CONNECTING INNOVATION TO APPLICATION®



TOOLS & ACCESSORIES

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
1-8115-7 QD		Boot for 1855A Cable, Violet			1.540	0.460	0.347		26				1
1-8115-8 QD		Boot for 1855A Cable, Grey			1.540	0.460	0.347		26				1
1-8115-9 QD		Boot for 1855A Cable, White			1.540	0.460	0.347		26				1
1-8115-10 QD		Boot for 1855A Cable, Black			1.540	0.460	0.347		26				1
1-8574-1		Boot for 1790T Cable, Brown			1.520	0.442	0.324		23				1
1-8574-2		Boot for 1790T Cable, Red			1.520	0.442	0.324		23				1
1-8574-3		Boot for 1790T Cable, Orange			1.520	0.442	0.324		23				1
1-8574-4		Boot for 1790T Cable, Yellow			1.520	0.442	0.324		23				1
1-8574-5		Boot for 1790T Cable, Green			1.520	0.442	0.324		23				1
1-8574-6		Boot for 1790T Cable, Blue			1.520	0.442	0.324		23				1
1-8574-7		Boot for 1790T Cable, Violet			1.520	0.442	0.324		23				1
1-8574-8		Boot for 1790T Cable, Grey			1.520	0.442	0.324		23				1
1-8574-9		Boot for 1790T Cable, White			1.520	0.442	0.324		23				1
1-8574-10		Boot for 1790T Cable, Black			1.520	0.442	0.324		23				1
1-8575-1 QD		Boot for RG-174 Cable, Brown			1.520	0.442	0.324		B1				1
1-8575-2 QD		Boot for RG-174 Cable, Red			1.520	0.442	0.324		B1				1
1-8575-3 QD		Boot for RG-174 Cable, Orange			1.520	0.442	0.324		B1				1
1-8575-4 QD		Boot for RG-174 Cable, Yellow			1.520	0.442	0.324		B1				1
1-8575-5 QD		Boot for RG-174 Cable, Green			1.520	0.442	0.324		B1				1
1-8575-6 QD		Boot for RG-174 Cable, Blue			1.520	0.442	0.324		B1				1
1-8575-7 QD		Boot for RG-174 Cable, Violet			1.520	0.442	0.324		B1				1
1-8575-8 QD		Boot for RG-174 Cable, Grey			1.520	0.442	0.324		B1				1
1-8575-9 QD		Boot for RG-174 Cable, White			1.520	0.442	0.324		B1				1
1-8575-10 QD		Boot for RG-174 Cable, Black			1.520	0.442	0.324		B1				1
1-8576-1 QD		Boot for RG-58 Cable, Brown			1.520	0.442	0.324		D				1
1-8576-2 QD		Boot for RG-58 Cable, Red			1.520	0.442	0.324		D				1
1-8576-3 QD		Boot for RG-58 Cable, Orange			1.520	0.442	0.324		D				1
1-8576-4 QD		Boot for RG-58 Cable, Yellow			1.520	0.442	0.324		D				1
1-8576-5 QD		Boot for RG-58 Cable, Green			1.520	0.442	0.324		D				1
1-8576-6 QD		Boot for RG-58 Cable, Blue			1.520	0.442	0.324		D				1
1-8576-7 QD		Boot for RG-58 Cable, Violet			1.520	0.442	0.324		D				1
1-8576-8 QD		Boot for RG-58 Cable, Grey			1.520	0.442	0.324		D				1
1-8576-9 QD		Boot for RG-58 Cable, White			1.520	0.442	0.324		D				1
1-8576-10 QD		Boot for RG-58 Cable, Black			1.520	0.442	0.324		D				1
1-8577-1 QD		Boot for RG-59 Cable, Brown			1.540	0.460	0.359		G1				1
1-8577-2 QD		Boot for RG-59 Cable, Red			1.540	0.460	0.359		G1				1
1-8577-3 QD		Boot for RG-59 Cable, Orange			1.540	0.460	0.359		G1				1
1-8577-4 QD		Boot for RG-59 Cable, Yellow			1.540	0.460	0.359		G1				1
1-8577-5 QD		Boot for RG-59 Cable, Green			1.540	0.460	0.359		G1				1
1-8577-6 QD		Boot for RG-59 Cable, Blue			1.540	0.460	0.359		G1				1
1-8577-7 QD		Boot for RG-59 Cable, Violet			1.540	0.460	0.359		G1				1
1-8577-8 QD		Boot for RG-59 Cable, Grey			1.540	0.460	0.359		G1				1
1-8577-9 QD		Boot for RG-59 Cable, White			1.540	0.460	0.359		G1				1
1-8577-10 QD		Boot for RG-59 Cable, Black			1.540	0.460	0.359		G1				1
1-8603		Right Angle Boot for 735 Cable, Blue			1.710	1.420	0.470		31				2

TOOLS & ACCESSORIES

INSTALLATION TOOLS

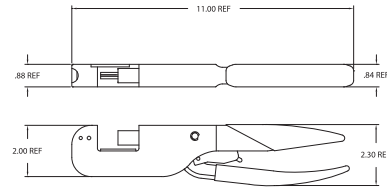


FIGURE 1

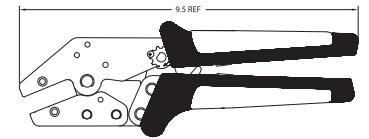


FIGURE 2

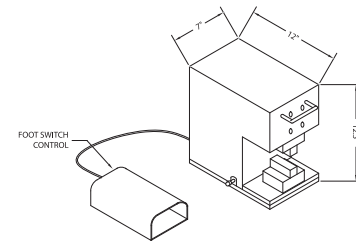


FIGURE 3

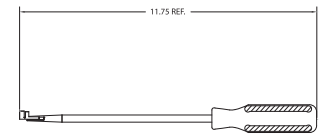


FIGURE 4

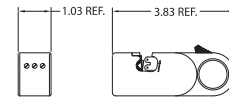


FIGURE 5

Item Number	Military PN	Product Description	Gender	Finish	A	Dimensions B	C	D	Cable Group	Cable Procedure	Crimp Die Sets	Figure #
KTH-1000		Crimping Tool, Manual									KTH-1000 or KTH-2000	1
KTH-5000		Crimping Tool, Manual									KTH-5000	2
KTM-5000		Crimping Tool, Pneumatic									KTH-1000 or KTH-2000	3
KTW-13		Miniature A/V Insertion and Removal Tool										4
KTS-8-1		Stripping Tool, Manual, 1790T Cable										5
KTS-8-2		Stripping Tool, Manual, Adjustable										5

SPLICES

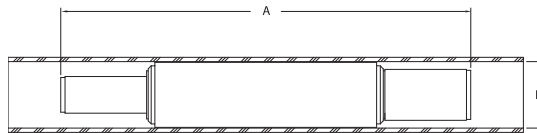
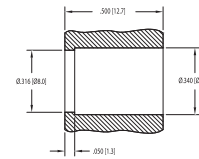


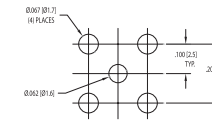
FIGURE 1

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
3050-10-9		Cable Splice, 735-734	NONE	Nickel	2.400	0.390			30,31	3-661-5	KTH-2185 KTH-2186		1
3050-11-9		Cable Splice, 735-735	NONE	Nickel	2.400	0.390			31	3-661-5	KTH-2185		1
3050-12-9		Cable Splice, 734-734	NONE	Nickel	2.400	0.390			30	3-661-5	KTH-2186		1

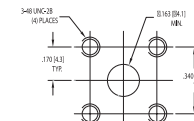
MOUNTING HOLES



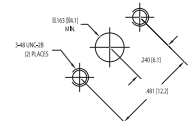
MOUNTING HOLE A



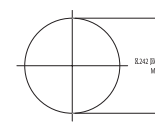
MOUNTING HOLE B



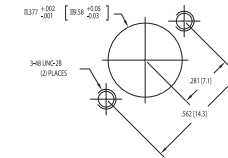
MOUNTING HOLE C



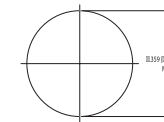
MOUNTING HOLE D



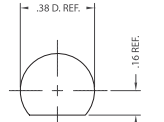
MOUNTING HOLE E



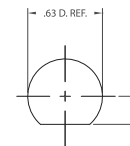
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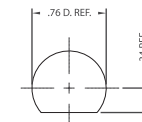
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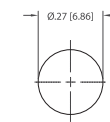
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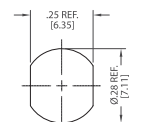
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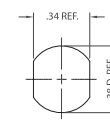
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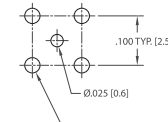
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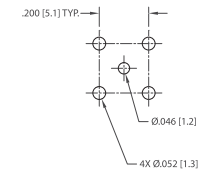
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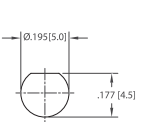
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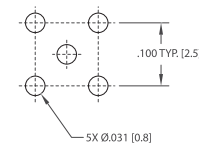
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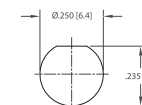
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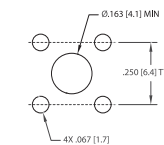
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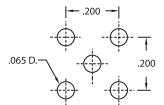
MOUNTING HOLE Q



MOUNTING HOLE R



MOUNTING HOLE S

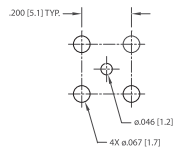


MOUNTING HOLE T

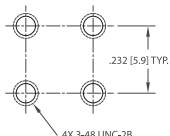
MOUNTING HOLES

CONNECTING INNOVATION TO APPLICATION®

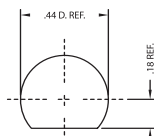
KINGS
by WINCHESTER
ELECTRONICS



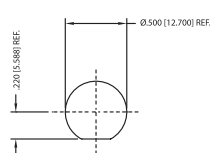
MOUNTING HOLE U



MOUNTING HOLE V

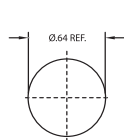


MOUNTING HOLE W

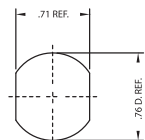


MOUNTING HOLE X

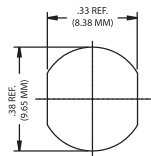
MOUNTING HOLES



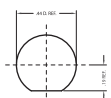
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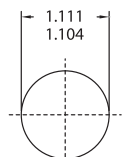
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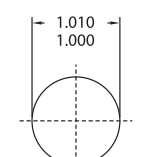
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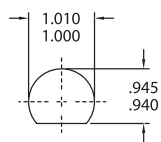
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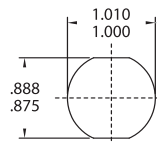
MOUNTING HOLE AC



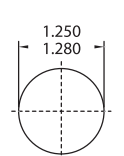
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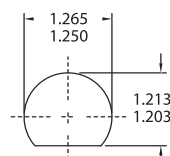
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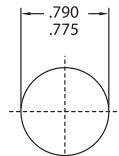
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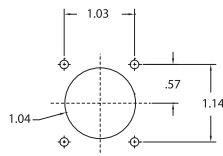
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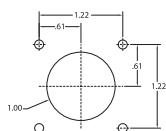
MOUNTING HOLE AH



MOUNTING HOLE AI



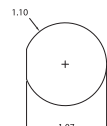
MOUNTING HOLE AJ



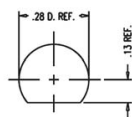
MOUNTING HOLE AK



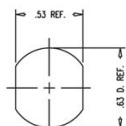
MOUNTING HOLE AL



MOUNTING HOLE AM

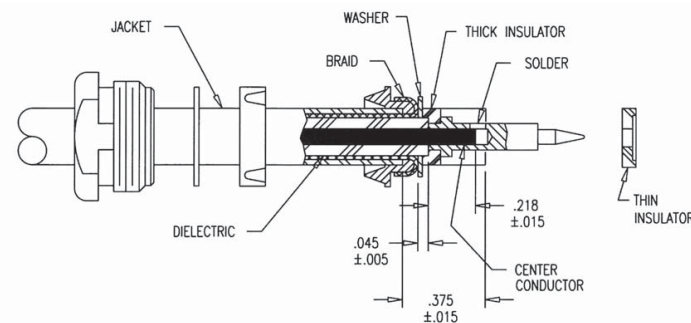


MOUNTING HOLE AN

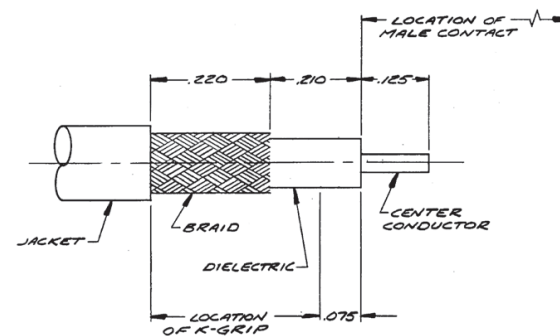
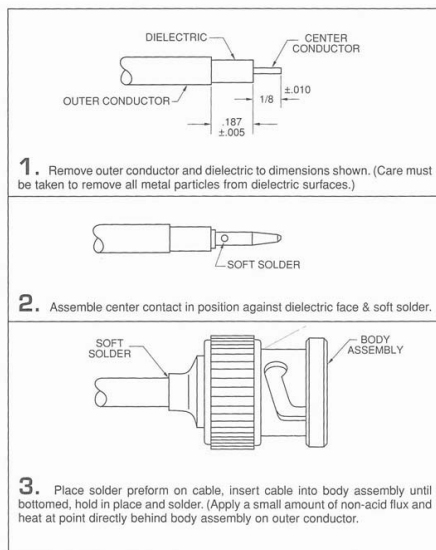


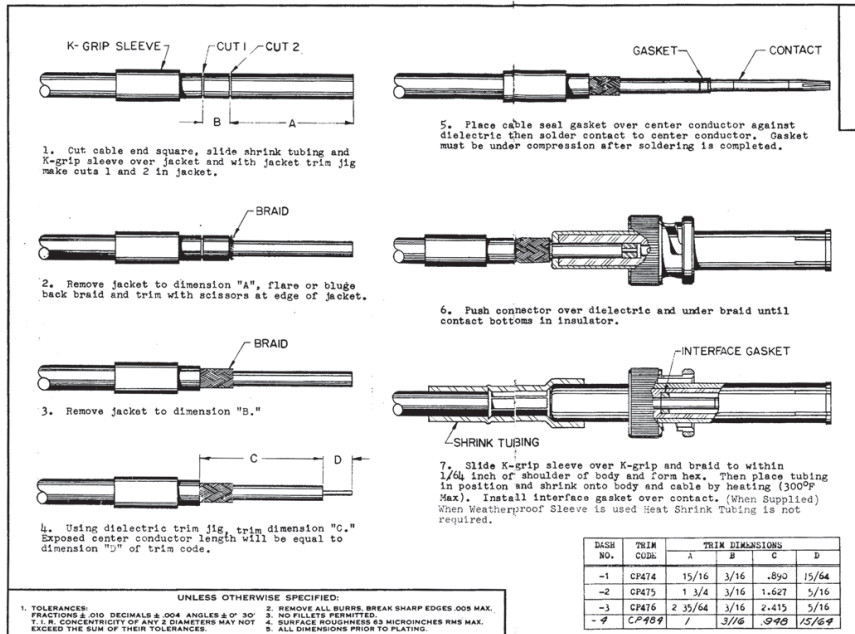
MOUNTING HOLE AO

CABLE PROCEDURES (3-66)

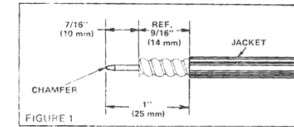


1. WITH CLAMP NUT, SLIP WASHER & GASKET ON CABLE, REMOVE JACKET TO .375 ±.015 DIM.
2. SLIDE BRAID CLAMP OVER BRAID AGAINST JACKET EDGE. COMB OUT BRAID WIRES, FOLD BACK OVER BRAID CLAMP & TRIM AS SHOWN.
3. REMOVE DIELECTRIC TO .045 ±.005 DIM. & TRIM CENTER CONDUCTOR TO .218 ±.015 DIM.
4. SLIDE WASHER OVER DIELECTRIC & AGAINST BRAID. PLACE THICK INSULATOR ON CONTACT & ASSEMBLE ON CABLE CENTER CONDUCTOR WITH DIELECTRIC BOTTOMED IN C'BORE AND SOLDER CONTACT IN POSITION. (DO NOT OVERHEAT)
5. ASSEMBLE THIN INSULATOR ON CONTACT WITH C'BORE TOWARD CONTACT TIP & THREAD ASSEMBLY SECURELY INTO CONNECTOR BODY.
RECOMMENDED TORQUE: 55-60 IN. LBS.

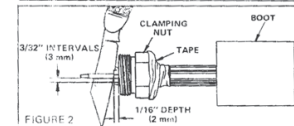




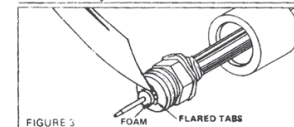
STEP 1. Prepare cable as shown in Figure 1. Cable end must be square. If it is not, use hacksaw to make new cut. Wrap tape around cable to guide jacketing cut. Remove jacket with knife. Cut off outer conductor and foam with hacksaw. Do not damage inner conductor. Use file to remove burrs and chamfer end of inner conductor. Clean exposed inner conductor of foam particles with garnet cloth. Wire brush copper particles from foam.



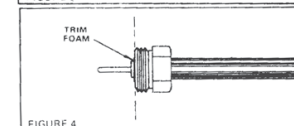
STEP 2. Place boot and clamping nut on cable with opening of boot toward cable end. See Figure 2. Secure clamping nut in place with tape, exposing outer conductor to dimension shown. Cut tabs into outer conductor to depth and intervals shown. Use mallet to tap knife. Use clamping nut as stop for knife.



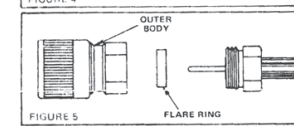
STEP 3. Turn tabs up 90 degrees with point of knife as shown in Figure 3. Remove tape from clamping nut.



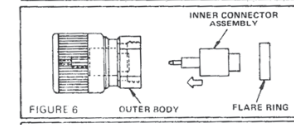
STEP 4. Cut off foam flush with flared outer conductor. Do not cut into inner conductor. See Figure 4. Remove all copper particles from foam.



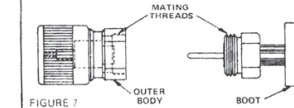
STEP 5. Add flare ring and outer body as shown in Figure 5. Screw outer body to clamping nut and tighten to compress flared tabs against clamping nut. Turn outer body only; do not turn clamping nut. Disassemble connector and inspect flare for regularity and flatness to clamping nut.



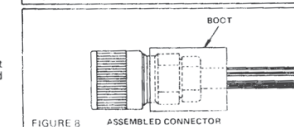
STEP 6. Seat inner connector assembly and flare ring into outer body. Refer to Figure 6. Inner assembly must be fully inserted into outer body as indicated by dotted lines.

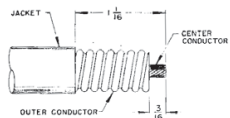
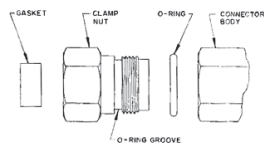


STEP 7. Slide outer body onto inner connector and screw it to clamping nut. Tighten connection. Turn outer body only; do not turn clamping nut. See Figure 7.

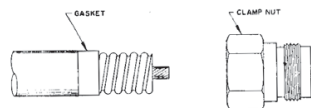


STEP 8. Place boot over assembly and seat it in groove of outer body. Refer to assembled connector in Figure 8.

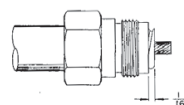




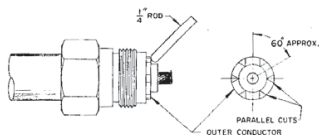
CUT CABLE END SQUARE. TRIM JACKET TO 1/16 DIM. TAKING CARE THAT JACKET END IS SQUARE. CUT OUTER CONDUCTOR AND FOAM DIELECTRIC TO 3/16 DIM. CAREFUL NOT TO NICK CENTER CONDUCTOR.



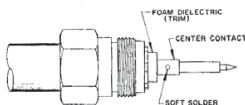
SLIDE GASKET ONTO OUTER CONDUCTOR AS SHOWN. APPLY A THIN COATING OF SILICONE GREASE TO OUTSIDE OF GASKET AND INSIDE SURFACE OF CLAMP NUT.



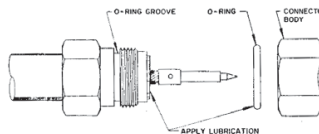
THREAD CLAMP NUT ONTO CONDUCTOR UNTIL OUTER CONDUCTOR IS EXPOSED 1/16.



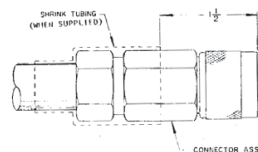
USING A KNIFE AND Mallet MAKE 6 CUTS IN THE CABLE. MAKE THE CUTS BY PLACING THE KNIFE AGAINST THE CENTER CONDUCTOR AND CUTTING TOWARD AND UP TO THE CLAMP NUT FACE. MAKE 2 PARALLEL CUTS ONE ON EACH SIDE OF THE CENTER CONDUCTOR AND THEN MAKE 4 MORE CUTS AT 60° DEG. TO THE FIRST TWO CUTS AS SHOWN. WITH THE TIP OF THE KNIFE BEND EACH OF THE SECTIONS OF THE OUTER CONDUCTOR FORWARD, TAP SECTIONS AGAINST CLAMP NUT WITH Mallet AND 3/4 INCH NON-METALLIC ROD. DO NOT FLATTEN TABS, REDUCING MATERIAL THICKNESS. TRIM EXCESS TAB MATERIAL FLUSH WITH OUTER DIAMETER OF CLAMP NUT.



TIN CENTER CONDUCTOR AND ROUND OFF END. SLIDE CENTER CONTACT ONTO CENTER CONDUCTOR AND AGAINST DIELECTRIC. SOLDER IN PLACE. BEING CAREFUL NOT TO APPLY EXCESS HEAT AND NOT TO PUSH CONTACT INTO FOAM DIELECTRIC. TRIM DIELECTRIC FLUSH WITH FACE OF OUTER CONDUCTOR.



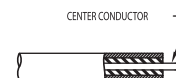
REMOVE ALL COPPER PARTICLES FROM DIELECTRIC AND SEAL EXPOSED DIELECTRIC WITH SILICONE GREASE. APPLY SILICONE GREASE TO O-RING AND INSTALL IN GROOVE ON CLAMP NUT. THREAD CONNECTOR BODY ONTO CLAMP NUT AND TIGHTEN SECURELY MAKING SURE THE CLAMP NUT IS HELD STATIONARY.



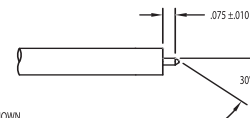
SLIDE SHRINK TUBING OVER ASSEMBLED CONNECTOR AS SHOWN AND APPLY JUST ENOUGH HEAT TO SHRINK TUBING TO OBTAIN A TIGHT SEAL. DO NOT OVERHEAT.



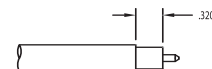
1. CUT CABLE END SQUARE & SCORE OUTER CONDUCTOR ALL AROUND TO DIMENSION SHOWN.



2. REMOVE JACKET TO SCORED MARK THEN REMOVE DIELECTRIC TO FRONT FACE OF OUTER CONDUCTOR MAKING SURE SURFACE IS SQUARE & FREE OF BURRS. DO NOT NICK CENTER CONDUCTOR.

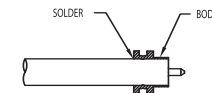


3. CHAMFER CENTER TO 30° AS SHOWN.



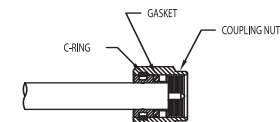
3A. WHEN USING T-FLEX402HF CABLE-SOLDER DIP CABLE PER SHEET 2 OF 3-64B. BEFORE STARTING TO TRIM CABLE. TRIM JACKET TO DIMENSION SHOWN.

4. STEPS 1 THRU 3 MAY BE ACCOMPLISHED WITH EASE AND ACCURACY USING KINGS KTO-2 STRIPPING TOOL FOR RG-402/U (141) CABLE.

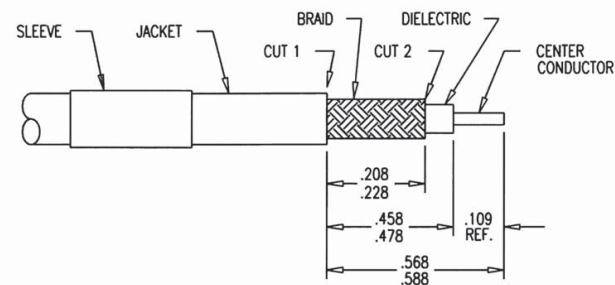
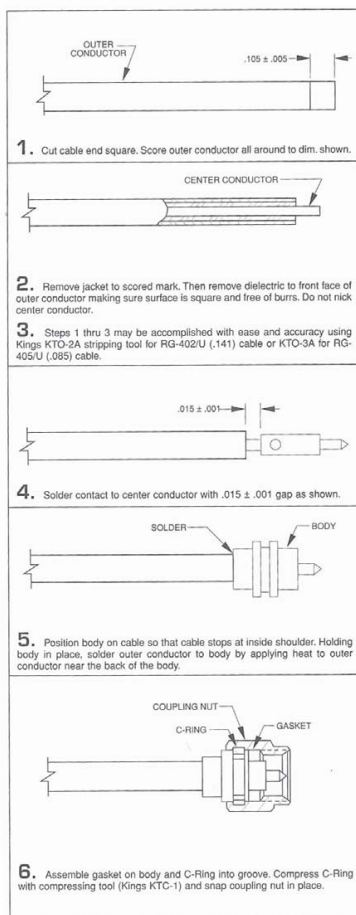


5. POSITION BODY ON CABLE SO THAT FRONT FACES OF BODY & TRIMMED CABLE ARE FLUSH HOLDING BODY IN PLACE. SOLDER OUTER CONDUCTOR TO BODY BY APPLYING HEAT TO OUTER CONDUCTOR NEAR THE BACK OF THE BODY.

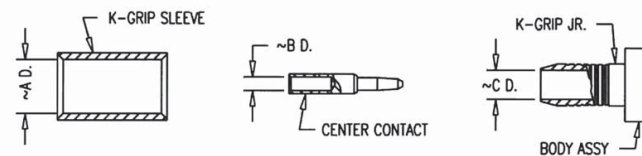
6. REMOVE ANY EXCESS DIELECTRIC THAT MAY EXTRUDE FROM CABLE DUE TO HEAT SO THAT DIELECTRIC IS FLUSH AGAIN WITH OUTER CONDUCTOR OF CABLE & CONNECTOR BODY.



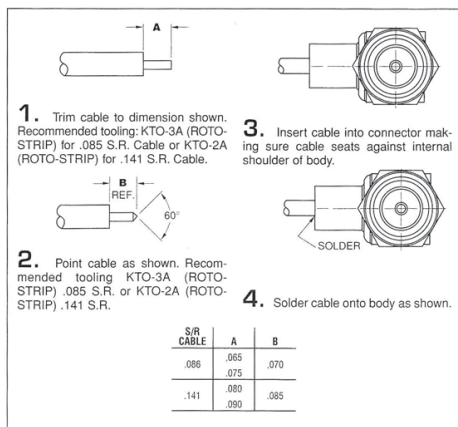
7. ASSEMBLE GASKET ON BODY AND C-RING INTO GROOVE. COMPRESS C-RING WITH COMPRESSING TOOL (KINGS KTC-1) AND SNAP COUPLING NUT IN PLACE.



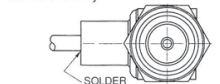
1. CUT CABLE END SQUARE. SLIDE K-GRIP SLEEVE OVER JACKET AND MAKE CUTS 1 AND 2 THROUGH JACKET ONLY.
2. REMOVE END OF JACKET UP TO CUT 2, FLARE OR BULGE BACK BRAID AND TRIM WITH SCISSORS AT EDGE OF JACKET.
3. REMOVE JACKET BETWEEN CUTS 1 AND 2 EXPOSING .218 ± .010 LENGTH OF BRAID.
4. TRIM DIELECTRIC TO .468 ± .010 DIM., EXPOSED CENTER CONDUCTOR WILL BE .109 REF.
5. PLACE CENTER CONTACT ON CABLE AGAINST DIELECTRIC AND CRIMP OR SOLDER IN PLACE.
6. PUSH K-GRIP JR. OVER DIELECTRIC AND UNDER BRAID UNTIL DIELECTRIC BOTTOMS IN CONNECTOR.
7. SLIDE K-GRIP SLEEVE OVER K-GRIP JR. AND BRAID TO SHOULDER OF BODY ASSEMBLY AND FORM HEX USING APPLICABLE CRIMP TOOL AND DIE.



MILITARY PART NO.	KINGS PART NO.	PIECE PART DIMS			* KINGS DIE SIZE
		A	B	C	
M39012/20-0002	KC-59-197	.207	.042	.122	2061
M39012/20-0003	KC-59-246	.220			



3. Insert cable into connector making sure cable seats against internal shoulder of body.



4. Solder cable onto body as shown.

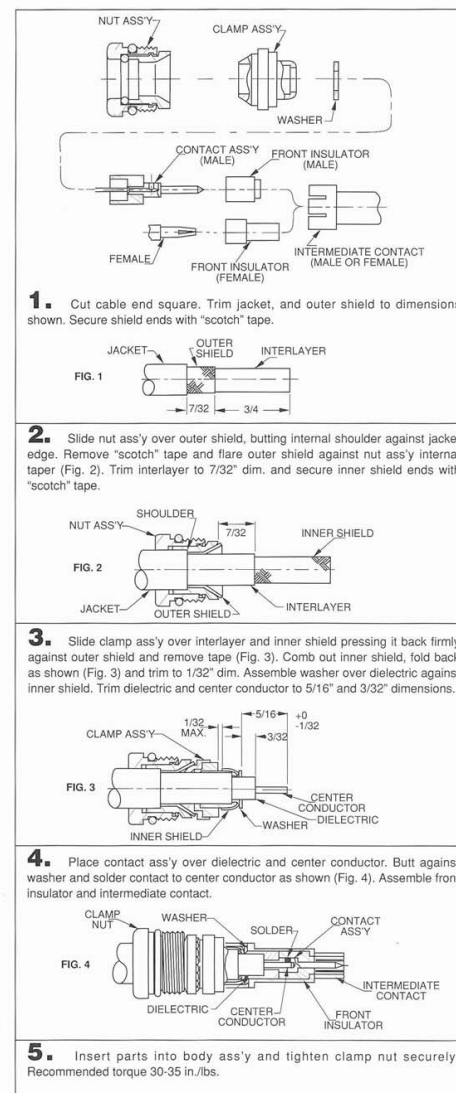


FIG. 1

1. Cut cable end square. Trim cable as shown in Fig. 1 and secure braid with scotch "magic" tape.
2. Insert cable into nut ass'y butting jacket edge against internal shoulder. Remove tape and flare braid against nut ass'y internal taper. Slide clamp ass'y over dielectrics and fillers pressing firmly against flared braid as shown in Fig. 2.
3. Trim inner conductor A to 3/16 and fold back over clamp ass'y (Fig. 2). Trim inner conductor B to 9/32 (Fig. 2).

FIG. 2

4. Place contact ass'y over dielectric and inner conductor B and solder contact to inner conductor B as shown in Fig. 3.

FIG. 3

5. Place front insulator on center contact and assemble intermediate contact pressing inner conductor A against clamp ass'y as in Fig. 4.

FIG. 4

6. Insert parts into body ass'y and tighten clamp nut securely. Recommended torque 30-35 inch-pounds.

CUT CABLE END SQUARE AND SLIDE CRIMP SLEEVE OVER CABLE AS SHOWN.

REMOVE JACKET TO "A" DIMENSION

FLARE OR BULGE BACK BRAID AND TRIM WITH SCISSORS AT EDGE OF JACKET

REMOVE JACKET TO "B" DIMENSION, TAKING CARE NOT TO NICK BRAID.

FOLD BACK BRAID AND TRIM BOTH FILLERS FLUSH WITH FOLD. THEN CUT THRU BOTH DIELECTRICS AT "D" DIMENSION (DO NOT NICK CONDUCTORS AND DO NOT REMOVE DIELECTRICS). NEXT TRIM ONE OF THE LEADS TO THE "E" DIMENSION. THE E REMAINING LONG LEAD WILL BE INSERTED INTO THE CENTER CONTACT IN THE NEXT STEP.

REMOVE THE DIELECTRICS AND INSERT CENTER CONDUCTORS LONG LEAD IN CENTER. SHORT LEAD IN CONTACT BODY INTO CONTACT ASS'Y. A GENTLE ROCKING MOTION OF THE CABLE WILL FACILITATE ENTRY OF THE LEADS.

PLACE APPROPRIATE CRIMP DIE INTO CRIMPING TOOL. INSERT CONTACT ASSEMBLY WITH CABLE CONDUCTORS IN PLACE AGAINST THE ROUND DIE CAVITY SHOULDER. LINE UP CENTER CONTACT CRIMPING PINS WITH CLEARANCE HOLES. MAKE SURE THAT THE CONDUCTOR INSERTED IN THE CONTACT BODY IS IN LINE WITH THE CONTACT BODY PIN. CRIMP CAREFULLY.

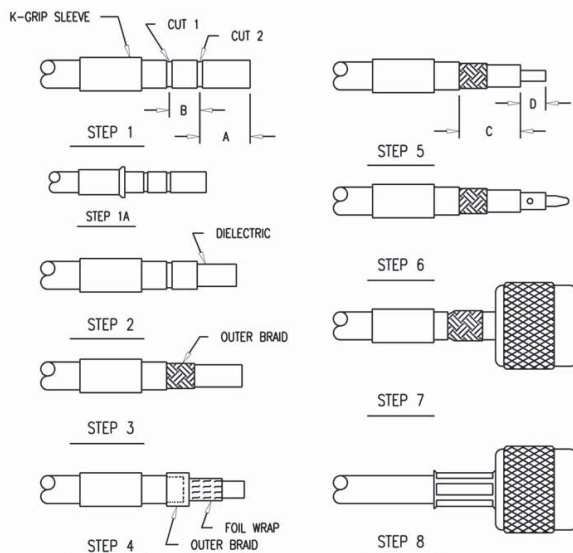
U-SHAPED INSULATOR

U-SHAPED INSULATOR TO BE FLUSH WITH K-GRIP BODY AFTER ASSEMBLY

SLIDE U-SHAPED INSULATOR INTO GAP BETWEEN CONTACT ASSEMBLY AND BRAID. USING INSULATOR SNAP IN CONTACT ASSEMBLY INTO K-GRIP BODY.

FOLD BRAID BACK OVER K-GRIP BODY. SLIDE CRIMP SLEEVE OVER BRAID AND BODY. CRIMP WITH HEX CAVITY OF DIE.

DASH NO.	A	B	C	D	E	UNITS
-1	350	375	410	375	172	IN.
	8.9	9.5	10.4	9.5	4.4	mm



STEP 1. CUT CABLE END SQUARE, SLIDE K-GRIP SLEEVE OVER JACKET. (CAUTION: WHEN USING A SINGLE STEP W/P SLEEVE, SLIDE SMALL END OVER CABLE FIRST AS SHOWN, SEE STEP 1A.) WITH JACKET TRIM JIG MAKE CUTS 1 AND 2 IN JACKET.

STEP 2. REMOVE JACKET TO DIMENSION "A". FLARE OR BULGE BACK OUTER BRAID, (FLAT STRIP BRAID AND FOIL WRAP WHEN APPLICABLE) AND TRIM AT EDGE OF JACKET.

STEP 3. REMOVE JACKET TO DIMENSION "B".

STEP 4. (FOR CABLES WITH FOIL WRAP) FOLD BACK OUTER BRAID (OR IN SOME CASES FLAT STRIP BRAID) AT JACKET SHOULDER AND REMOVE FOIL WRAP. BE SURE NOT TO DAMAGE EITHER BRAID WHEN REMOVING FOIL WRAP. FOLD DOWN BRAID BACK IN PLACE OVER DIELECTRIC TAKING CARE TO LEAVE STRANDS IN PLACE AS MUCH AS POSSIBLE.

STEP 5. USING DIELECTRIC TRIM JIG, TRIM DIMENSION "C". EXPOSED CENTER CONDUCTOR LENGTH WILL BE EQUAL TO DIMENSION "D" OF TRIM CODE.

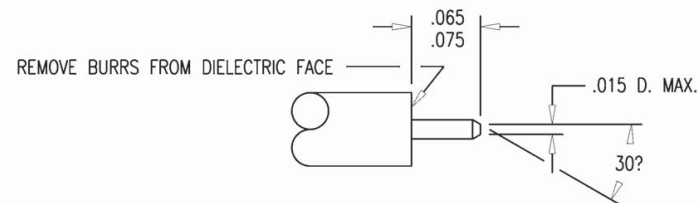
STEP 6. BOTTOM CONTACT AGAINST DIELECTRIC. SOLDER OR CRIMP CONTACT TO CENTER CONDUCTOR.

STEP 7. FLARE OUTER BRAID (AND FLAT STRIP BRAID) BY CAREFULLY ROTATING THE DIELECTRIC. PUSH K-GRIP JR. OVER DIELECTRIC AND UNDER BOTH BRAIDS UNTIL CONTACT SNAPS IN PLACE OR DIELECTRIC BOTTOMS IN CONNECTOR.

STEP 8. SLIDE K-GRIP SLEEVE AGAINST SHOULDER ON BODY AND FORM HEX BY CRIMPING.

TRIM CODE CHART				
DASH NO.	A	B	C	D
-1	.250	.344	.432	.156
-2	.375	.313	.500	.188
-3	.313	.281	.432	.156
-4	.281	.406	.500	.187

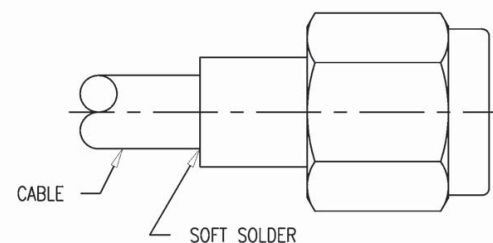
1. REMOVE CABLE OUTER CONDUCTOR AND DIELECTRIC TO .070 DIMENSION AS SHOWN.
2. CHAMFER CENTER CONDUCTOR TO 30° ANGLE AS SHOWN.



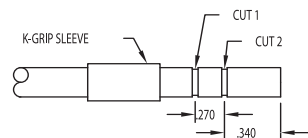
NOTE: STEP 1 & 2 MAY BE ACCOMPLISHED WITH EASE AND ACCURACY USING KINGS KTO-3 STRIPPING TOOL.

3. INSERT CABLE INTO BACK END OF CONNECTOR. PUSH CABLE IN FIRMLY UNTIL THE FACE OF CABLE BOTTOMS AGAINST REAR END OF INSULATOR. (CAUTION: EJECTION OF INSULATOR MAY BE PREVENTED BY MATING WITH A CONNECTOR OF OPPOSITE SEX).

INSERT CABLE IN POSITION SHOWN



4. SOLDER BACK END OF CONNECTOR.



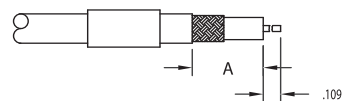
1. CUT CABLE END SQUARE, SLIDE K-GRIP SLEEVE OVER JACKET & WITH TRIM JIG MAKE CUTS 1 AND 2 IN JACKET.



2. REMOVE JACKET TO DIMENSION .340, FLARE OR BULGE BACK BRAID & TRIM WITH SCISSORS AT EDGE OF JACKET.



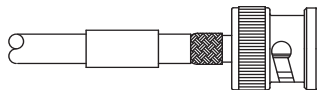
3. REMOVE JACKET TO DIMENSION .270.



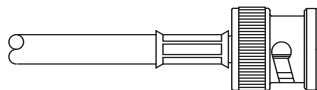
4. TRIM TO DIMENSION A. EXPOSED CENTER CONDUCTOR LENGTH WILL BE EQUAL TO .109 DIMENSION.

5. SOLDER CONTACT FOR THE STRAIGHT CONNECTOR ONLY, THEN PROCEED TO STEP 7.

6. CONTACT NOT USED FOR THE ANGLE CONNECTOR. PROCEED TO STEP 7, THEN SOLDER CABLE CENTER CONDUCTOR TO CONNECTOR CENTER CONTACT.

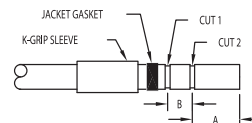


7. CAREFULLY INSERT CABLE INTO CONNECTOR. PUSH K-GRIP JR. OVER DIELECTRIC & UNDER BRAID.



8. SLIDE K-GRIP SLEEVE AGAINST SHOULDER ON BODY AND FORM BY CRIMPING.

KINGS NO.	A
3-483-1	.390
3-483-2	.500



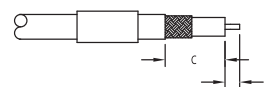
1. CUT CABLE END SQUARE, SLIDE K-GRIP SLEEVE AND GASKET OVER JACKET & WITH JACKET TRIM JIG MAKE CUTS 1 AND 2 IN JACKET.



2. REMOVE JACKET TO DIMENSION ".11", FLARE OR BULGE BACK BRAID AND FOIL & TRIM WITH SCISSORS AT EDGE OF JACKET.



3. REMOVE JACKET TO DIMENSION ".08".

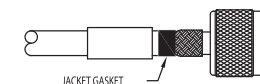


4. USING DIELECTRIC TRIM JIG, TRIM DIMENSION "C". EXPOSED CENTER CONDUCTOR LENGTH WILL BE EQUAL TO DIMENSION "D" OF TRIM CODE.

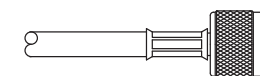
TRIM CODE CHART			
A	B	C	D
.250	.344	.432	.156



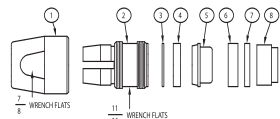
5. SOLDER OR CRIMP CONTACT TO CENTER CONDUCTOR.



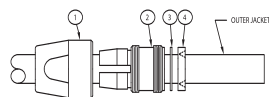
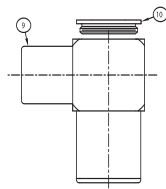
6. PUSH K-GRIP JR. OVER DIELECTRIC AND FOIL AND UNDER BRAID UNTIL DIELECTRIC BOTTOMS IN CONNECTOR. SLIDE JACKET GASKET FLUSH WITH JACKET EDGE.



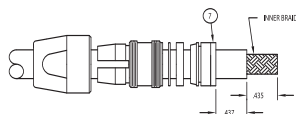
7. SLIDE K-GRIP SLEEVE OVER GASKET AND AGAINST SHOULDER ON BODY AND FORM HEX.



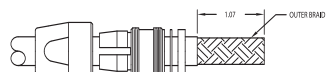
NOTE: CARE MUST BE TAKEN WHEN TRIMMING CABLE THAT THE BRAIDS INSULATOR AND CONDUCTORS OF THE CABLE ARE NOT NICKED OR DAMAGED.



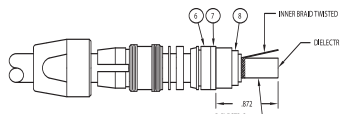
1. CUT CABLE END SQUARE. PLACE NUT ITEM 1, COLLET ITEM 2, THIN WASHER ITEM 3 AND VEE GASKET ITEM 4 OVER THE JACKET.



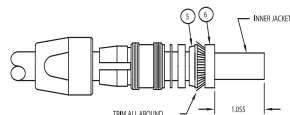
4. SLIDE THIN WASHER ITEM 7 OVER INNER JACKET AND AGAINST OUTER GROUND RING. REMOVE INNER JACKET TO .437 DIMENSION. DO NOT NICK THE BRAID. LENGTH OF INNER BRAID TO BE .435.



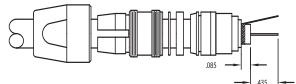
2. REMOVE OUTER JACKET TO 1.07 DIMENSION SHOWN.



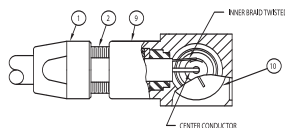
5. PLACE INSULATOR ITEM 8 OVER THE INNER JACKET AND SEAT AGAINST THE THIN WASHER ITEM 7 TO .872 DIMENSION. COME OUT INNER BRAID AND TWIST WIRE STRANDS INTO ONE LEAD AS SHOWN. INNER BRAID MAY BE TRIMMED AS REQUIRED TO FACILITATE TWISTING.



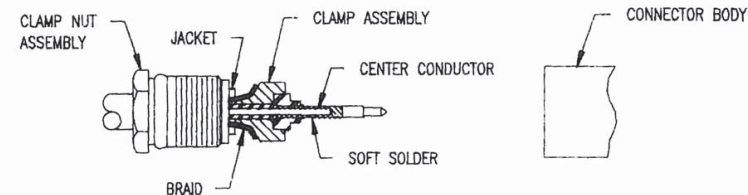
3. PLACE BRAID CLAMP ITEM 5 OVER THE OUTER BRAID AND SEAT AGAINST THE OUTER JACKET. FOLD THE OUTER BRAID BACK OVER THE BRAID CLAMP, AND PRESS THE OUTER GROUND RING ITEM 6 OVER THE BRAID CLAMP SO THAT THE OUTER GROUND RING IS FLUSH TO THE EDGE OF THE BRAID CLAMP. (.155 DIMENSION) TRIM EXCESS BRAID THAT EXTENDS BEYOND THE OUTER DIAMETER OF THE BRAID CLAMP.



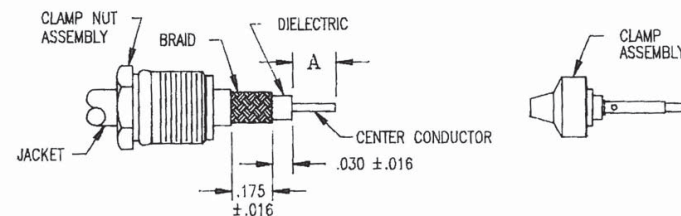
6. REMOVE DIELECTRIC TO .085 DIMENSION EXPOSED CENTER CONDUCTOR TO BE .435 DIMENSION.



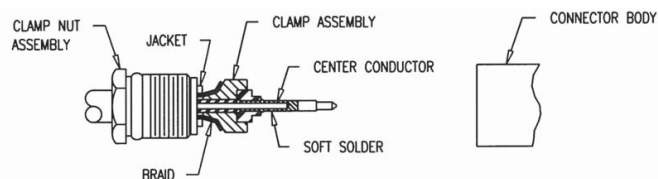
7. SLIDE CABLE ASSEMBLY INTO BODY ITEM 9, AND ALIGN AS SHOWN, PLACING THE CENTER CONDUCTOR INTO THE SLOTTED CENTER CONTACT, AND THE TWISTED INNER BRAID TO BE PLACED ON THE INTERMEDIATE CONTACT. TIGHTEN CLAMP ITEM 2, TO BODY WITH A MINIMUM OF 80 INCH LBS OF TORQUE. (IT IS RECOMMENDED NOT TO EXCEED 125 INCH LBS OF TORQUE) LOCK CLAMP ITEM 1, TO COLLECT TO PREVENT ROTATION OF CABLE JACKET WITHIN THE CONNECTOR. SOLDER THE TWISTED INNER BRAID TO THE INTERMEDIATE CONTACT. THEN SOLDER THE CENTER CONDUCTOR TO THE CENTER CONTACT. THREAD SCREEN CAP ITEM 10 INTO BODY AND TIGHTEN SECURELY.



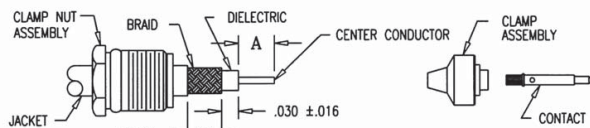
1. CUT CABLE END SQUARE. SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
2. INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC & BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE THROUGH CONTACT SOLDER HOLE. SOLDER CENTER CONDUCTOR.
3. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 30 INCH/LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.



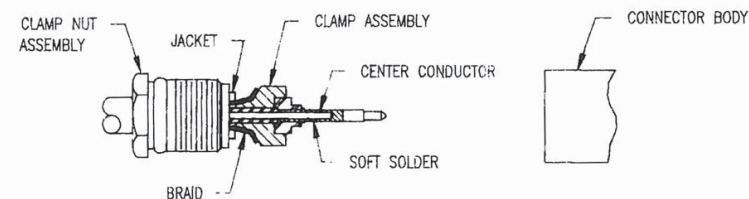
KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016
872-40-101	152-00001	.220
876-63-3	95-RG-18C	
871-57-3	152-00001	



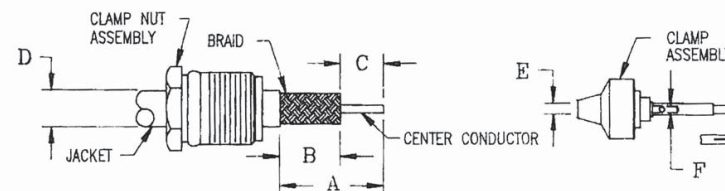
1. CUT CABLE END SQUARE. SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
2. INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC & BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE. PRESS CONTACT INTO INSULATOR UNTIL BOTTOMED AND CENTER CONDUCTOR IS VISIBLE THROUGH CONTACT SOLDER HOLE. SOLDER CENTER CONDUCTOR.
3. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 30 INCH/LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.
4. WHEN USING M17/84-RG223 CABLE, A SMALL AMOUNT OF O-RING LUBE MAY BE USED TO FACILITATE CABLE JACKET ENTRY THROUGH THE INTERNAL O-RING. IF DESIRED, THE INTERNAL O-RING MAY BE DISCARDED WHEN USING THIS CABLE.



MILITARY PART NO. M39012/	KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016
55-3009	875-82-17	28-RG058	.160
55-3109	875-82-3	60-RG142	
56-3109	876-61-3	84-RG223	
56-3009	876-61-17	155-00001	
57-3009	873-48-3	158-00001	
58-3009	871-51-3	167-00001	.160
59-3009	872-45-3		
55-3010	875-85-17	111-RG303	
55-3110	875-85-3	170-00001	
56-3010	876-67-17		
56-3110	876-67-3		.220
57-3010	873-49-3		
58-3010	871-55-3		
59-3010	872-46-3		
55-3030	875-86-17	152-00001	
55-3130	875-86-3		.220
56-3030	876-62-17		
56-3130	876-62-3		
57-3030	873-50-3		
58-3030	871-56-3		
59-3030	872-40-3		

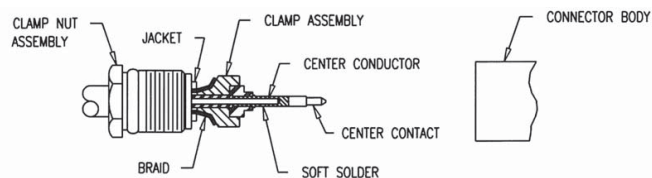


1. CUT CABLE END SQUARE. SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
2. INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC & BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE THROUGH CONTACT SOLDER HOLE. SOLDER CENTER CONDUCTOR.
3. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 30 INCH/LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.

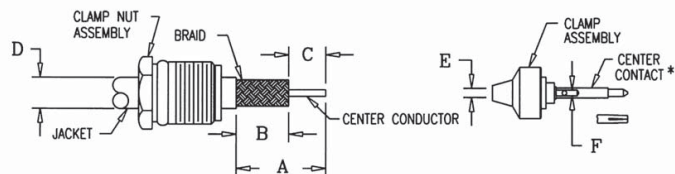


MILITARY PART NO. M39012/	KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016	B DIM ±.016	C DIM ±.016	D DIM	E DIM	F DIM
26-0101	125-67-5	J28-RG058	.600	.380	.220	.220	.120	.050
27-0101	123-12-5	J84-RG223						
28-0101	122-27-5	128-RG400						
29-0101	121-23-5	128-RG400						
30-0101	126-55-5	160-RG142						
26-0102	125-72-5	J29-RG59 *	.660	.440	.220	.259	.150	.050
27-0102	123-13-5	030-RG062						
28-0102	122-28-5	90-RG71						
29-0102	121-26-5	97-RG210						
30-0102	126-54-5							
26-0103	125-73-5	G54-RG122	.600	.380	.220	.180	.100	.050
27-0103	123-14-5							
28-0103	122-29-5							
29-0103	121-27-5							
30-0103	126-56-5							

* FOR AIR SPACED CABLE USE INSULATOR BUSHING SUPPLIED
REDUCE "B" DIM (DIELECTRIC ONLY) BY .032 AND INCREASE "C" DIM TO .250

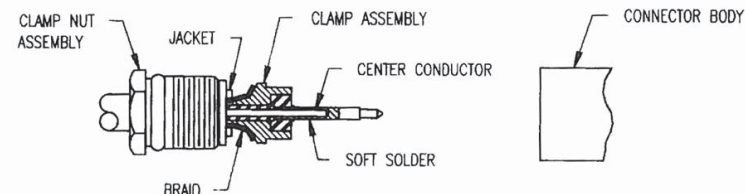


1. CUT CABLE END SQUARE. SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
2. INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC & BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE THROUGH CONTACT SOLDER HOLE SOLDER CENTER CONDUCTOR.
WHEN CENTER CONTACT IS SUPPLIED LOOSE INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC AND BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE. PRESS CENTER CONTACT INTO INSULATOR UNTIL BOTTOMED AND CENTER CONDUCTOR IS VISIBLE THROUGH SOLDER HOLE. SOLDER CENTER CONDUCTOR.
3. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 30 INCH/LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.

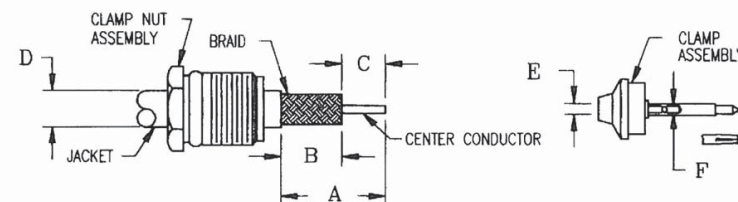


MILITARY PART NO. M39012/	KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016	B DIM ±.016	C DIM ±.016	D DIM	E DIM	F DIM
26-0104 27-0104 28-0104 29-0104 30-0104	125-74-5 123-15-5 122-30-5 121-28-5 126-61-5	111-RG303	.600	.380	.220	.180	.120	.050
26-0117 27-0117 28-0117 29-0117 30-0117	125-75-5 123-16-5 122-31-5 121-29-5 126-62-5	110-RG302	.660	.440	.220	.220	.150	.050
26-0018 27-0018 28-0018 29-0018 30-0118	125-76-5 123-17-5 122-32-5 121-30-5 126-56-5	113-RG316 119-RG174	.545	.220	.325	.127	.065	.025

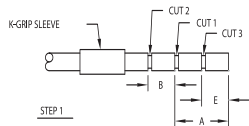
* CENTER CONTACT SUPPLIED LOOSE WITH RG316/RG174 CONNECTORS



1. CUT CABLE END SQUARE. SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
2. INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC & BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE THROUGH CONTACT SOLDER HOLE SOLDER CENTER CONDUCTOR.
3. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 65 INCH/LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.



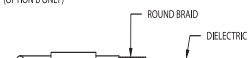
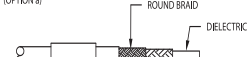
MILITARY PART NO. M39012/	KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016	B DIM ±.016	C DIM ±.016	D DIM	E DIM	F DIM
1-0005 2-0003 2-0006 3-0012 5-0101	1205-35-5 1203-10-5 1201-9-5 1202-9-5 1206-23-5	6-RG11 62-RG144 65-RG165 74-RG213 75-RG214 77-RG216 86-00001				.750	.468	.281
1-0015	1205-37-5	RG-217	.718	.500	.218	.57	.38	.113



STEP 1A



STEP 2

STEP 3
(OPTION b ONLY)STEP 4
(OPTION a)STEP 4
(OPTION b)

STEP 1 (OPTION a & b):
CUT CABLE END SQUARE. SLIDE K-GRIP SLEEVE (SHRINK TUBING OPTIONAL) OVER JACKET.
(CAUTION: WHEN USING A SINGLE STEP W/P SLEEVE, SLIDE SMALL END OVER CABLE FIRST AS SHOWN. SEE STEP 1A) MAKE CUTS 1 AND 2 IN JACKET. (OPTION b ONLY):
MAKE ADDITIONAL CUT 3 IN JACKET.

STEP 2 (OPTION a & b):
REMOVE JACKET TO DIMENSION "A" (OPTION a) OR "E" (OPTION b). REMOVE ROUND BRAID AND FLAT BRAID AT EDGE OF JACKET. BE SURE ENDS OF FLAT BRAID ARE FLAT AGAINST DIELECTRIC. IF USING OPTION a PROCEED TO STEP 4).

STEP 3 (OPTION b ONLY):
REMOVE JACKET TO DIMENSION "A". FLAIR OR BULGE BACK ROUND BRAID ONLY AND TRIM AT EDGE OF JACKET.

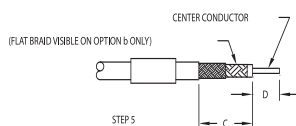
STEP 4 (OPTION a & b):
REMOVE JACKET TO DIMENSION "B". FLAT BRAID IS VISIBLE ON OPTION b ONLY.

STEP 5 (OPTION a & b):
TRIM DIELECTRIC TO DIMENSION "C". EXPOSED CENTER CONDUCTOR LENGTH WILL BE EQUAL TO DIMENSION "D".

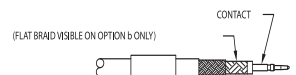
STEP 6 (OPTION a & b):
PLACE CONTACT ON CENTER CONDUCTOR AND BOTTOM AGAINST DIELECTRIC. SOLDER OR CRIMP CONTACT IN PLACE.

STEP 7 (OPTION a & b):
PUSH THE K-GRIP BODY OVER THE DIELECTRIC AND FLAT BRAID AND UNDER ROUND BRAID UNTIL CONTACT SNAPS IN PLACE. (ONCE THE FLAT BRAID IS UNDER THE K-GRIP BODY, A CAREFUL ROTATION OF THE DIELECTRIC AND FLAT BRAID WILL EASE ASSEMBLY UNDER THE ROUND BRAID).

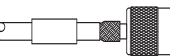
STEP 8 (OPTION a & b):
SLIDE K-GRIP SLEEVE AGAINST SHOULDER ON BODY AND FORM HEX BY CRIMPING.
(HEAT SHRINK TUBING AS REQUIRED)



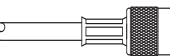
STEP 5



STEP 6



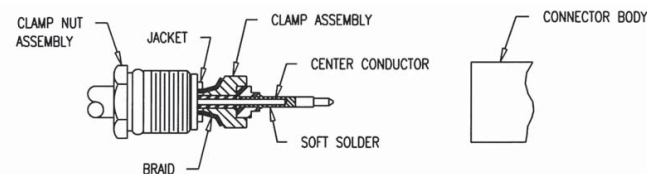
STEP 7



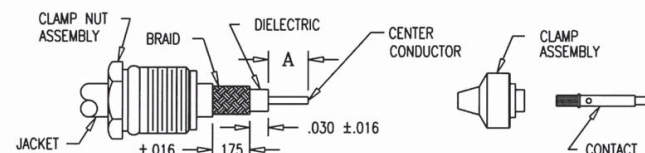
STEP 8

TRIM CODE CHART

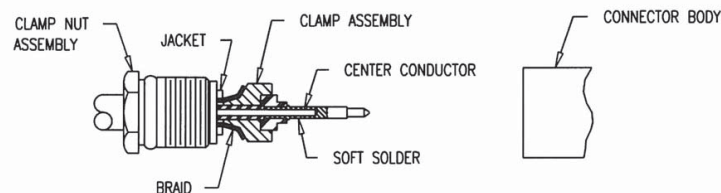
DASH NO.	OPTION	A	B	C	D	E
-1	a	.275		.432	.156	
	b					.210
-2	a	.375		.500	.188	
	b					.260
-3	a	.293	.312	.512	.094	
	b					.166
-4	a	.625		.750	.188	
	b					.260
-5	a	.218	.250	.398	.093	
	b					.140
-6	a	.250	.343	.437	.156	
	b					.210
-7	a	.552	.270	.634	.188	
	b					.260
-8	a	.275	.281	.400	.156	
	b					.210
-9	a	.563	.312	.687	.188	
	b					.260



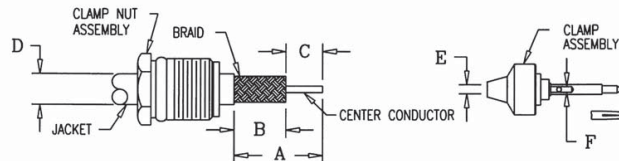
- CUT CABLE END SQUARE. SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
- INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC & BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE. PRESS CONTACT INTO INSULATOR UNTIL BOTTOMED AND CENTER CONDUCTOR IS VISIBLE THROUGH CONTACT SOLDER HOLE. SOLDER CENTER CONDUCTOR.
- INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 30 INCH/LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.



MILITARY PART NO. M39012/	KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016
55-3006	875-83-17	93-RG178 169-00001	.220
55-3106	875-83-3		
56-3006	876-65-17		
56-3106	876-65-3		
57-3006	873-45-3		
58-3006	871-53-3	119-RG174 173-00001 113-RG316 172-00001	.220
59-3006	872-42-3		
55-3007	875-81-17		
55-3107	875-81-3		
56-3007	876-60-17		
56-3107	876-60-3		
57-3007	873-46-3		
58-3007	871-52-3		
59-3007	872-43-3		
55-3008	875-84-17	54-RG122 157-00001	.220
55-3108	875-84-3		
56-3008	876-66-17		
56-3108	876-66-3		
57-3008	873-47-3		
58-3008	871-54-3		
59-3008	872-44-3		



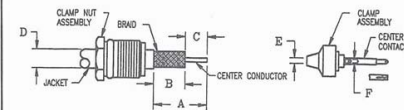
1. CUT CABLE END SQUARE. SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
2. INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC & BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE THROUGH CONTACT SOLDER HOLE. SOLDER CENTER CONDUCTOR.
3. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 30 INCH/LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.



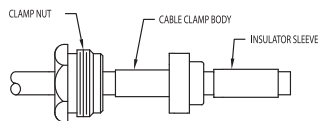
MILITARY PART NO. M39012/	KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016	B DIM ±.016	C DIM ±.016	D DIM	E DIM	F DIM
16-0101 17-0101 18-0102 19-0101 20-0101	755-74-5 753-8-5 751-14-5 752-28-5 756-9-5	028-RG058 084-RG223 128-RG400 060-RG142	.563	.343	.220	.220	.120	.050
16-0102 17-0102 18-0101 19-0102 20-0102	755-77-5 753-9-5 751-13-5 752-29-5 756-12-5	29-RG59 * 030-RG062 90-RG71 97-RG210	.625	.406	.220	.259	.150	.050
16-0103 17-0103 18-0103 19-0110	755-83-5 753-10-5 751-15-5 752-31-5	054-RG122	.563	.343	.220	.180	.100	.050

* FOR AIR SPACED CABLE USE INSULATOR BUSHING SUPPLIED
REDUCE "B" DIM (DIELECTRIC ONLY) BY .032 AND INCREASE "C" DIM TO .250

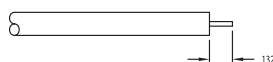
MILITARY PART NO. M39012/	KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016	B DIM ±.016	C DIM ±.016	D DIM	E DIM	F DIM
16-0111 17-0111 18-0111 19-0111	755-84-5 753-11-5 751-16-5 752-32-5	111-RG303	.563	.343	.220	.180	.120	.050
16-0118 17-0118 18-0118 19-0118 20-0108	755-85-5 753-12-5 751-17-5 752-33-5 756-13-5	110-RG-302	.625	.406	.220	.220	.150	.050
16-0220 17-0220 18-0220 19-0220	755-86-5 753-13-5 751-18-5 752-34-5	113-RG316 119-RG174	.545	.220	.325	.127	.065	.025



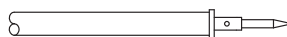
1. Cut cable end square. Slide clamp nut over jacket and trim cable to dimensions shown.
2. Insert clamp assembly between dielectric and braid until dielectric bottoms in assembly and center conductor is visible through contact solder hole. Solder center conductor.
When center contact is supplied loose insert clamp assembly between dielectric and braid until dielectric bottoms in assembly and center conductor is visible. Press center contact into insulator until bottomed and center conductor is visible through solder hole. Solder center conductor.
3. Insert cable assembly into connector body, slide clamp assembly forward until seated and tighten clamp nut to a torque of 30 inch/lbs. When tightening the clamp nut assembly make sure only the nut turns, do not rotate body, damage to the center conductor might occur.



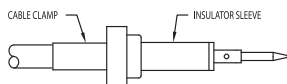
1. CUT CABLE END SQUARE AND SLIDE CLAMP NUT, CABLE CLAMP BODY AND INSULATOR SLEEVE ONTO CABLE.



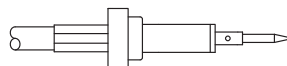
2. REMOVE JACKET TO DIMENSION SHOWN.



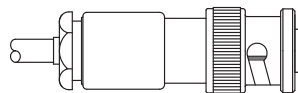
3. SOLDER OR CRIMP CONTACT TO CENTER CONDUCTOR.



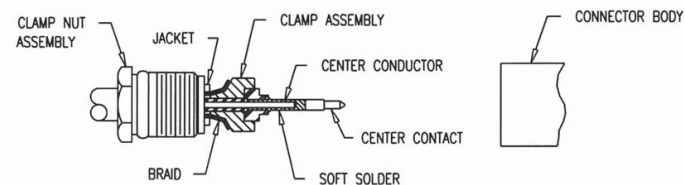
4. PUSH THE INSULATOR SLEEVE AGAINST THE CENTER CONTACT UNTIL BOTTOMED, THEN PUSH CABLE CLAMP BODY UNTIL BOTTOMED AGAINST INSULATOR SLEEVE, WHILE HOLDING THE CABLE CLAMP BODY AND THE INSULATOR SLEEVE AGAINST THE CONTACT, CRIMP THE CABLE CLAMP BODY IN PLACE AND FORM HEX.



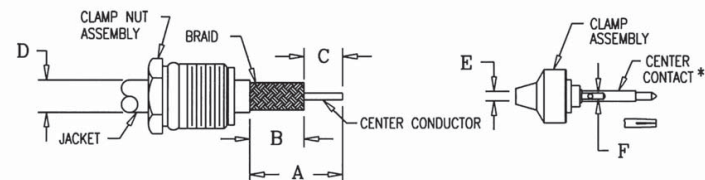
5. FINISHED CRIMP ASSY.



6. PUSH THE CRIMP ASSEMBLY INTO THE BODY UNTIL BOTTOMED, WRENCH TIGHTEN CLAMP NUT INTO CONNECTOR BODY. RECOMMENDED TORQUE 30-35 INCH-POUNDS.



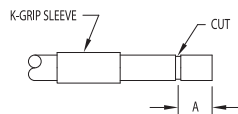
1. CUT CABLE END SQUARE, SLIDE CLAMP NUT OVER JACKET & TRIM CABLE TO DIM'S SHOWN.
2. INSERT CLAMP ASSEMBLY BETWEEN DIELECTRIC AND BRAID UNTIL DIELECTRIC BOTTOMS IN ASSEMBLY AND CENTER CONDUCTOR IS VISIBLE. PRESS CENTER CONTACT INTO INSULATOR UNTIL BOTTOMED AND CENTER CONDUCTOR IS VISIBLE THROUGH SOLDER HOLE. SOLDER CENTER CONDUCTOR.
3. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY, SLIDE CLAMP ASSEMBLY FORWARD UNTIL SEATED AND TIGHTEN CLAMP NUT TO A TORQUE OF 30 INCH-LBS. WHEN TIGHTENING THE CLAMP NUT ASSEMBLY MAKE SURE ONLY THE NUT TURNS, DO NOT ROTATE BODY, DAMAGE TO THE CENTER CONDUCTOR MIGHT OCCUR.



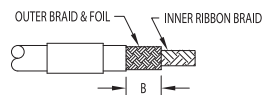
KINGS PART NO.	CABLE PART NO. M17/	A DIM ±.016	B DIM ±.016	C DIM ±.016	D DIM	E DIM	F DIM
752-38-5	152-00001 (RD-316)	.532	.219	.313	.127	.065	.033
1202-16-5	113-RG316 119-RG174	.530	.210	.320			
1202-17-5	RAYTHEON 48152-1 152-00001 (RD-316)						

NOTES:

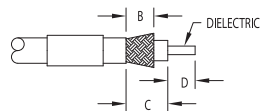
* 1. CENTER CONTACT SUPPLIED LOOSE



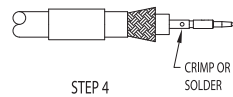
STEP 1



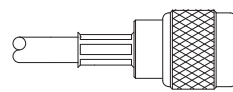
STEP 2



STEP 3



STEP 4



STEP 5

STEP 1.
CUT CABLE END SQUARE, SLIDE K-GRIP SLEEVE OVER JACKET AND MAKE CUT IN JACKET AT DIMENSION A.

STEP 2.
REMOVE JACKET TO DIMENSION 'A'.
TRIM OUTER WOVEN BRAID LAYER TO DIMENSION 'B'.
CAREFULLY FOLD BACK THE REMAINING OUTER WOVEN BRAID LAYER JUST ENOUGH TO CUT AWAY THE THIN FOIL WRAP BETWEEN THE TWO BRAIDS. FOLD THE OUTER BRAID BACK IN POSITION.

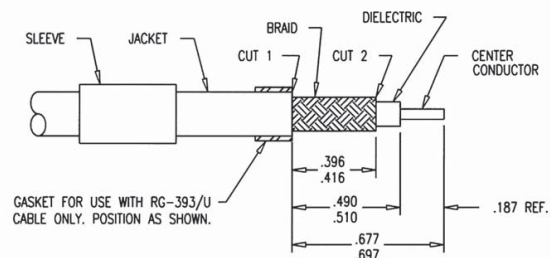
STEP 3.
FLARE RIBBON BRAID SLIGHTLY WITH FINGERS TO EDGE OF OUTER BRAID AND FOIL LAYERS. RIBBON SHOULD NOT BE TANGLED OR SHARPLY BENT. TRIM INNER RIBBON BRAID TO 'B' DIMENSION SAME AS OUTER BRAID. TRIM DIELECTRIC TO 'C' DIMENSION. TRIM CENTER CONDUCTOR TO 'D' DIMENSION.

STEP 4.
PLACE CENTER CONTACT ON CENTER CONDUCTOR, BUTT UP AGAINST DIELECTRIC AND CRIMP OR SOLDER IN PLACE.

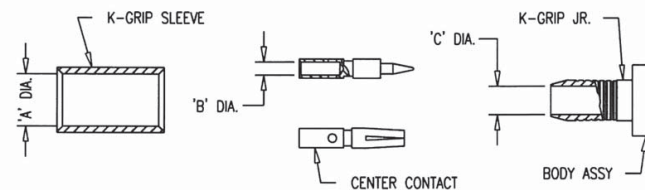
STEP 5.
ASSEMBLY K-GRIP END OF CONNECTOR BODY ASSEMBLY OVER DIELECTRIC AND UNDER FLARED BRAIDS, PUSHING CONTACT FIRMLY FORWARD UNTIL CONTACT GROOVE SNAPS INTO INTERNAL SHOULDER OF INSULATOR. SLIDE K-GRIP SLEEVE FORWARD OVER BOTH BRAID AGAINST BODY SHOULDER AND CRIMP HEX. USING KINGS CRIMP TOOL KTH-1000 AND DIE SHOWN IN CHART BELOW.

TRIM CODE CHART

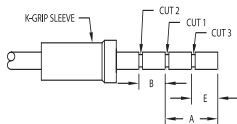
CONNECTOR	A	B	C	D	DIE SIZE
1205-65-5	5/8	9/32	.425	3/16	KTH-2005
1206-31-5					
1202-25-5					
821-8-5					
825-15-5					
846-6-5	13/16	9/32	.611	3/16	KTH-2005
845-8-5					



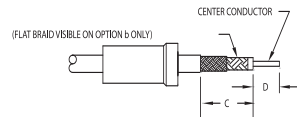
1. CUT CABLE END SQUARE. SLIDE K-GRIP SLEEVE OVER JACKET & MAKE CUTS 1 & 2 THROUGH JACKET ONLY.
2. REMOVE END OF JACKET UP TO CUT 2, FLARE OR BULGE BACK BRAID & TRIM WITH SCISSORS AT EDGE OF JACKET.
3. REMOVE JACKET BETWEEN CUTS 1 & 2 EXPOSING .406 $\pm$.010 LENGTH OF BRAID.
4. TRIM DIELECTRIC TO .500 $\pm$.010 DIM., EXPOSED CENTER CONDUCTOR WILL BE .187 REF.
5. PLACE CENTER CONTACT ON CABLE AGAINST DIELECTRIC & CRIMP OR SOLDER IN PLACE.
6. PUSH K-GRIP JR. OVER DIELECTRIC AND UNDER BRAID UNTIL DIELECTRIC BOTTOMS IN CONNECTOR.
7. SLIDE K-GRIP SLEEVE OVER K-GRIP & BRAID TO SHOULDER OF BODY ASSY & FORM HEX USING APPLICABLE CRIMP TOOL & DIE.



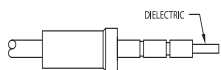
MILITARY PART NO.	KINGS PART NO.	PIECE PART DIM'S			SLEEVE (CRIMP TOOL M22520/5-01) DIE SIZE M22520/5-25	EQUIV. KINGS DIE SIZE *
		A	B	C		
M39012/01-0017	1205-68-5	.420	.092	.297	CLOSURE A	KTH-2004
M39012/01-0018	1205-69-5	.440				



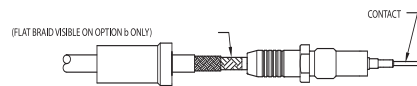
STEP 1 (OPTION a & b):
 CUT CABLE END SQUARE. SLIDE K-GRP SLEEVE OVER JACKET.
 (CAUTION: WHEN USING A SINGLE STEP WIP SLEEVE, SLIDE SMALL
 END OVER CABLE FIRST AS SHOWN. MAKE CUTS 1 AND 2 IN JACKET.
 (OPTION b ONLY); MAKE ADDITIONAL CUT 3 IN JACKET.



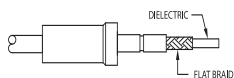
STEP 5 (OPTION a & b):
 TRIM DIELECTRIC TO DIMENSION "C". EXPOSED CENTER CONDUCTOR LENGTH
 WILL BE EQUAL TO DIMENSION "D".



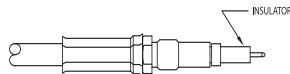
STEP 2 (OPTION a & b):
 REMOVE JACKET TO DIMENSION "A" (OPTION a) OR "E" (OPTION b).
 REMOVE ROUND BRAID AND FLAT BRAID AT EDGE OF JACKET. BE SURE
 ENDS OF FLAT BRAID ARE FLAT AGAINST DIELECTRIC. (IF USING OPTION a
 PROCEED TO STEP 4).



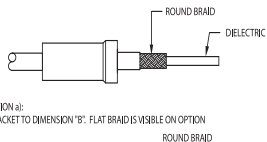
STEP 6 (OPTION a & b):
 PUSH THE K-GRP BODY OVER THE DIELECTRIC AND FLAT BRAID AND UNDER THE ROUND
 BRAID (ONCE THE FLAT BRAID IS UNDER THE K-GRP BODY, A CAREFUL ROTATION OF THE
 DIELECTRIC AND FLAT BRAID WILL EASE ASSEMBLY UNDER THE ROUND BRAID). THE CABLE
 CENTER CONDUCTOR WILL BE VISIBLE THROUGH THE CONTACT INSPECTION HOLES. CRIMP
 OR SOLDER THE CONTACT.



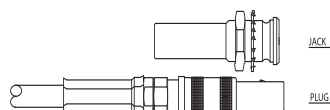
STEP 3 (OPTION b ONLY):
 REMOVE JACKET TO DIMENSION "A". FLAIR OR BULGE BACK ROUND BRAID
 ONLY AND TRIM AT EDGE OF JACKET.



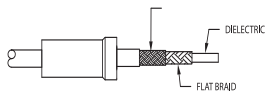
STEP 7:
 SLIDE K-GRP SLEEVE AGAINST SHOULDER ON BODY AND FORM HEX BY CRIMPING.
 INSTALL THE INSULATOR.



STEP 4 (OPTION a):
 REMOVE JACKET TO DIMENSION "B". FLAT BRAID IS VISIBLE ON OPTION
 b ONLY.

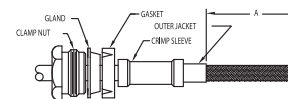


STEP 8:
 SCREW THE OUTER BODY ONTO THE CRIMPED ASSEMBLY USING A MINIMUM TORQUE OF
 5 INCH POUNDS AND A MAXIMUM TORQUE OF 10 INCH POUNDS.

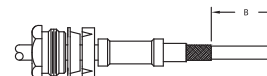


STEP 4 (OPTION b):
 REMOVE JACKET TO DIMENSION "B". FLAT BRAID IS VISIBLE ON OPTION
 b ONLY.

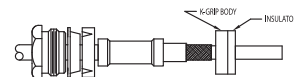
TRIM CODE CHART					
DASH NO.	OPTION	A	B	C	D
-1	a	.625	.312	.750	.188
	b				.260



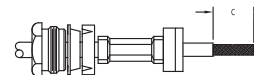
**1. CUT CABLE END SQUARE. SLIDE CLAMP NUT, GLAND, GASKET, AND CRIMP
 SLEEVE OVER THE OUTER JACKET. REMOVE THE OUTER JACKET TO
 DIMENSION "A".**



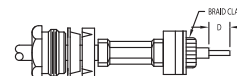
2. REMOVE THE OUTER BRAID TO DIMENSION "B".



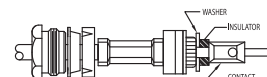
**3. INSERT THE CABLE INTO THE K-GRP BODY WITH THE BRAID OVER THE
 K-GRP. SLIDE THE CRIMP SLEEVE OVER THE BRAID AND FORM A HEX WITH THE
 CRIMP DIE.**



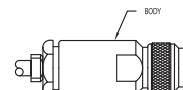
4. REMOVE THE INNER JACKET TO DIMENSION "C".



**5. PLACE THE BRAID CLAMP OVER THE INNER BRAID AND AGAINST THE INNER
 JACKET. COMB OUT THE BRAID AND FOLD BACK OVER THE BRAID CLAMP.
 TRIM EVEN WITH THE BASE OF THE BRAID CLAMP. REMOVE DIELECTRIC TO
 DIMENSION "D".**

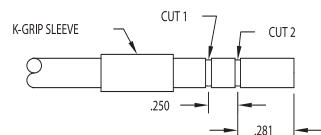


**6. INSTALL THE WASHER AND INSULATOR OVER THE DIELECTRIC
 AND CRIMP THE CENTER CONTACT TO CENTER CONDUCTOR.**

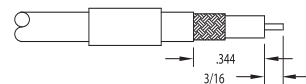


**7. ASSEMBLE INNER INSULATOR, INTERMEDIATE CONDUCT AND OUTER INSULATOR.
 THEN INSERT INTO THE BODY. SLIDE THE BACK END PARTS FORWARD.
 THREAD ASSEMBLY INTO THE CONNECTOR BODY AND TIGHTEN WITH
 5 IN. LBS. MIN. AND 30 IN. LBS. MAX. TORQUE.**

TRIM CODE CHART			
A	B	C	D
1.03	.75	.32	.196



1. CUT CABLE END SQUARE, SLIDE K-GRIP SLEEVE OVER JACKET AND MAKE CUTS 1 AND 2 IN OUTER JACKET ONLY.



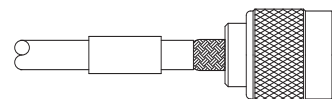
4. TRIM DIELECTRIC TO DIMENSION .344 EXPOSED CENTER CONDUCTOR LENGTH WILL BE EQUAL TO 3/16 DIMENSION.



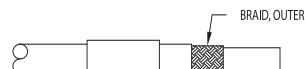
5. SOLDER OR CRIMP CONTACT TO CENTER CONDUCTOR.



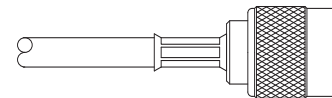
2. REMOVE OUTER JACKET TO .281 DIMENSION, FLARE OR BULGE BACK BRAID AND TRIM WITH SCISSORS AT EDGE OF OUTER JACKET



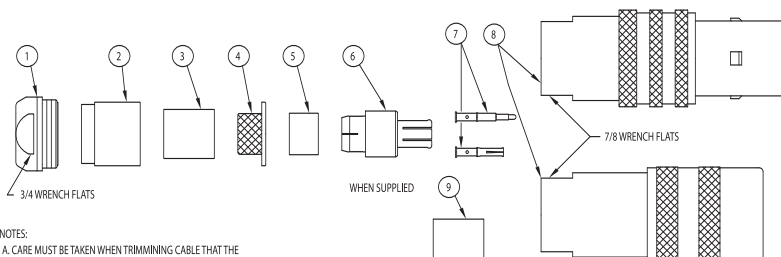
6. PUSH K-GRIP JR. OVER DIELECTRIC AND UNDER BOTH BRAIDS UNTIL DIELECTRIC BOTTOMS IN CONNECTOR.



3. REMOVE JACKET TO .250 DIMENSION.

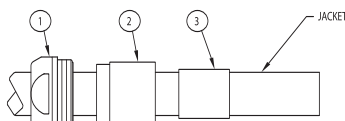


7. SLIDE K-GRIP SLEEVE AGAINST SHOULDER ON BODY AND FORM BY CRIMPING.

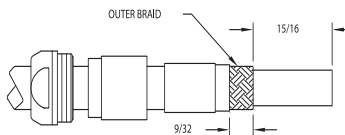


NOTES:

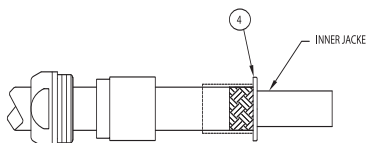
- A. CARE MUST BE TAKEN WHEN TRIMMING CABLE THAT THE BRAIDS, INSULATORS AND CONDUCTORS OF THE CABLE ARE NOT NICKED OR DAMAGED.
- B. WHEN A THREE CAVITY DIE IS USED THE FIRST CRIMP ON THE OUTER BRAID (STEP 3) IS DONE WITH THE LARGEST CAVITY. ASSEMBLE DIE IN CRIMP TOOL FRAME USING SHANKS ADJACENT TO THAT CAVITY. REVERSE THE DIE IN THE TOOL USING OTHER SHANKS WHEN CRIMPING CENTER CONTACT (STEP 5) AND INNER BRAID (STEP 6).



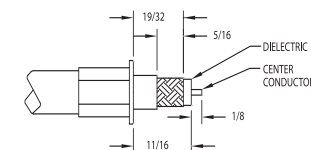
1. CUT CABLE END SQUARE. PLACE CLAMP NUT ASSEMBLY (ITEM 1), SPACER (ITEM 2) AND LARGE CRIMP SLEEVE (ITEM 3) OVER THE JACKET.



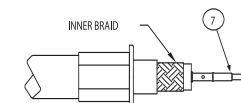
2. REMOVE JACKET AND OUTER BRAID TO 15/16 DIM. THEN REMOVE JACKET AN ADDITIONAL 9/32 EXPOSING OUTER BRAID.



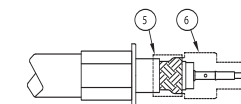
3. SLIDE K-GRIP (ITEM 4) OVER INNER JACKET AND UNDER OUTER BRAID. HOLD IN POSITION AND MOVE CRIMP SLEEVE FORWARD AGAINST SHOULDER AND CRIMP IN PLACE USING APPROPRIATE HEX DIE.



- 4 A. REMOVE INNER JACKET AND INNER BRAID TO 19/32 DIM. REMOVE INNER JACKET AN ADDITIONAL 5/16 EXPOSING INNER BRAID.
- B. REMOVE DIELECTRIC TO 11/16 DIM. AND CUT CENTER CONDUCTOR TO BE 1/8 LONG.



5. PLACE THE MALE OR FEMALE CONNECTOR CONTACT (ITEM 7) ON THE CABLE CENTER CONDUCTOR, BOTTOM AGAINST DIELECTRIC AND SOLDER OR CRIMP IN PLACE.

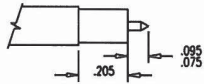


6. PLACE SMALL SLEEVE (ITEM 5) OVER INNER BRAID OF CABLE. SLIDE BODY ASSEMBLY (ITEM 6) OVER THE DIELECTRIC AND UNDER THE INNER BRAID UNTIL THE CENTER CONTACT LOCKS IN PLACE IN BODY ASSEMBLY. (NOTE: CAUTION MUST BE EXERCISED NOT TO ALLOW ANY BRAID STRANDS TO REMAIN INSIDE THE BODY ASSEMBLY. ALL BRAID MUST BE ON THE OUTSIDE OF THE BODY). SLIDE CRIMP SLEEVE FORWARD OVER BOTH THE BODY AND BRAID TO THE BODY SHOULDER. CRIMP IN PLACE. PUSH ALL LOOSE PARTS FORWARD ON CABLE AND INSERT INTO MAIN CONNECTOR BODY (ITEM 8). THREAD CLAMP NUT ASSEMBLY INTO BODY AND LOCK SECURELY.

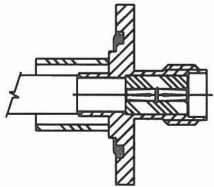
- "U" SPACER, ITEM 9 IS SUPPLIED ONLY WITH SMALL CABLE CONNECTORS. IT IS PLACED OVER ITEM 5 AFTER CRIMPING & BEFORE THREADING CABLE ASSEMBLY INTO BODY. RECOMMENDED TORQUE: 80 IN LBS.

CABLING PROCEDURE FOR M17/130-00004

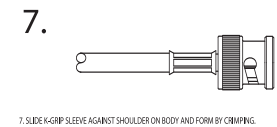
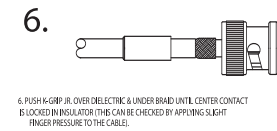
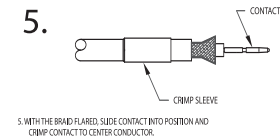
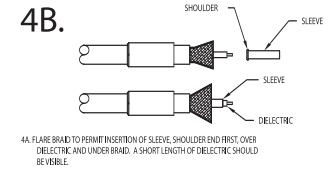
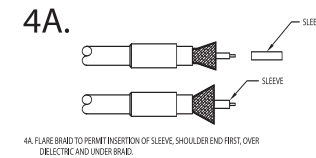
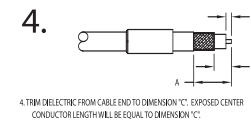
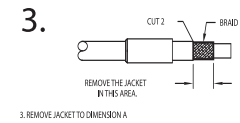
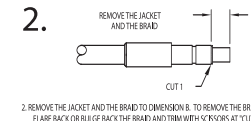
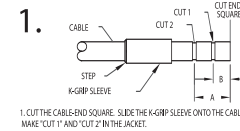
1. CUT CABLE END SQUARE
2. WHEN USING T-FLEX402HF CABLE SOLDER DIP CABLE PER SHEET 2 OF 3-648.
3. TRIM CABLE TO DIMENSIONS SHOWN.



4. INSERT TRIMMED CABLE INTO CONNECTOR.
BOTTOM CABLE AGAINST INSULATOR (ASSEMBLE MATING CONNECTOR TO PREVENT INSULATOR MOVEMENT).



5. SOLDER CABLE IN BODY

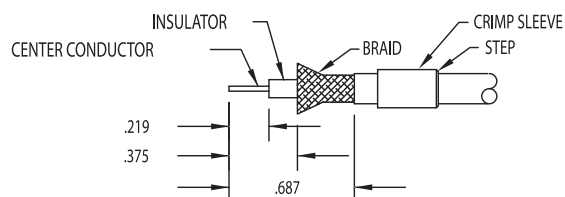


- NOTES:
1. STEP 4A APPLIES ONLY TO CONNECTORS SUPPLIED W/PLASTIC SLEEVE
 2. STEP 4B APPLIES ONLY TO CONNECTORS SUPPLIED W/METAL SLEEVE

DASH NO	A	B	C
-1	.624	.312	.155
-2	.624	.312	.249
-3	.687	.375	.187
-4	.668	.356	.200
-5	.687	.375	.219
-6	.540	.250	.150

735 CABLE INSTALLATION INSTRUCTIONS USING KINGS DIE SET KTH-2185

1. SLIDE CRIMP SLEEVE ONTO CABLE WITH STEP LOCATED AWAY FROM THE CONNECTOR BODY.



3. SLIDE THE CONTACT ALL THE WAY ONTO THE CENTER CONDUCTOR. BE SURE THAT CONTACT BUTTS AGAINST THE DIELECTRIC. CRIMP CONTACT TO CENTER CONDUCTOR. REQUIRED DIE FLAT DIMENSIONS ARE .042". USE OF APPROVED 12 POINT CRIMP TOOLS IS OPTIONAL.

4. SLIGHTLY FAN OUT THE BRAID AT THE END. PUSH CABLE INTO CONNECTOR UNTIL CONTACT SNAPS INTO PLACE. ALL BRAID WIRES MUST BE OVER THE SUPPORT SLEEVE. FOIL MUST BE UNDER SUPPORT SLEEVE.

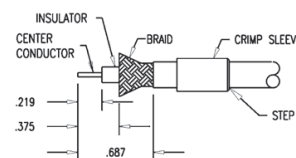
5. DRESS THE BRAID EVENLY AROUND THE SUPPORT SLEEVE. SLIDE CRIMP SLEEVE FORWARD OVER BRAID AND AGAINST CONNECTOR. FORM BY CRIMPING. REQUIRED DIE FLAT DIMENSIONS ARE .178".

INSTALLATION INSTRUCTIONS

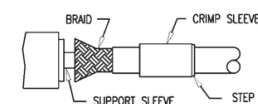
CARD COLOR RED/BLACK MARKING

FOR 735-TYPE CABLE USING KTH-2185

1. SLIDE CRIMP SLEEVE ONTO CABLE WITH STEP LOCATED AWAY.
2. STRIP CABLE AS SHOWN BELOW. THE LENGTHS IN THIS PICTURE ARE ACTUAL SIZE AND MAY BE USED AS GAUGE.



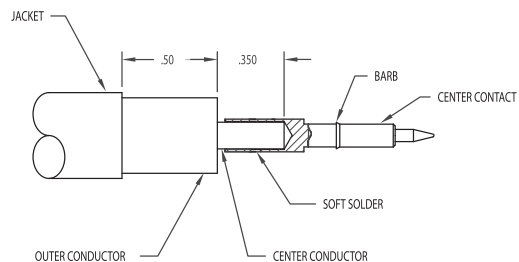
3. SLIDE THE CONTACT ALL THE WAY ON TO THE CENTER CONDUCTOR. BE SURE THAT CONTACT BUTTS AGAINST THE DIELECTRIC. CRIMP CONTACT TO CENTER CONDUCTOR. REQUIRED DIE FLAT DIMENSIONS ARE .042". USE OF APPROVED 12 POINT CRIMP TOOLS IS OPTIONAL.



4. SLIGHTLY FAN OUT THE BRAID AT THE END. PUSH CABLE INTO CONNECTOR UNTIL CONTACT SNAPS INTO PLACE. ALL BRAID WIRES MUST BE OVER THE SUPPORT SLEEVE. FOIL MUST BE UNDER SUPPORT SLEEVE.

5. DRESS THE BRAID EVENLY AROUND THE SUPPORT SLEEVE. SLIDE CRIMP SLEEVE FORWARD OVER BRAID AND AGAINST CONNECTOR. FORM BY CRIMPING. REQUIRED DIE FLAT DIMENSIONS ARE .178".

FOR TECHNICAL SUPPORT CALL (888) 909-5551.



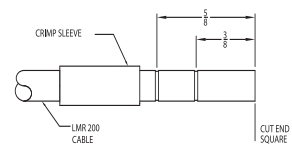
1) TRIM CABLE AS SHOWN. CARE MUST BE TAKEN TO AVOID METAL PARTICLES ON DIELECTRIC FACE.

2) BOTTOM CABLE CENTER CONDUCTOR IN CONTACT WIRE HOLE. HOLD IN POSITION AND SOFT SOLDER.

3) INSERT CONTACT INTO BODY ASSEMBLY AND PUSH CONTACT BARB INTO TEFLON INSULATOR UNTIL CABLE BOTTOMS IN BODY.

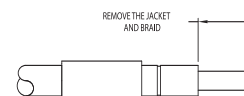
4) SOFT SOLDER BODY TO CABLE OUTER CONDUCTOR.

1.



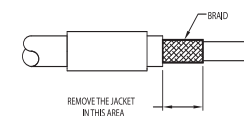
1. CUT THE CABLE-END SQUARE. SLIDE THE CRIMP SLEEVE ONTO THE CABLE. MAKE CUTS IN THE JACKET AT 3/8" AND 5/8" FROM THE END OF THE CABLE.

2.



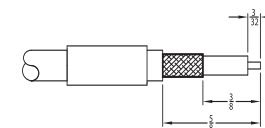
2. REMOVE THE JACKET AND BRAID TO THE FIRST CUT, 3/8" FROM THE CABLE-END. TO REMOVE THE BRAID, FLARE BACK OR BULGE THE BRAID AND TRIM WITH SCISSORS.

3.



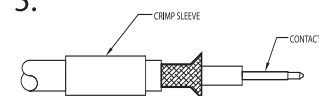
3. REMOVE THE JACKET TO THE SECOND CUT, 5/8" FROM CABLE-END.

4.



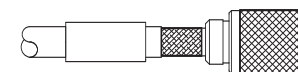
4. TRIM DIELECTRIC 3/32" FROM CABLE END TO EXPOSE CENTER CONDUCTOR.

5.



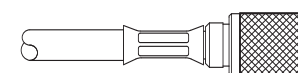
5. SLIGHTLY FLARE THE BRAID AND SLIDE CONTACT INTO POSITION AND CRIMP CONTACT TO CENTER CONDUCTOR USING KTH-1000 CRIMP TOOL AND KTH-2026 DIE SET.

6.



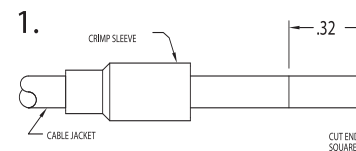
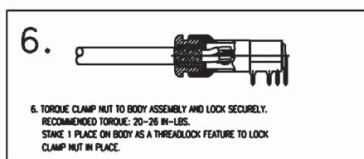
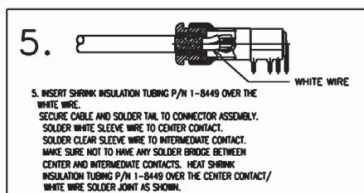
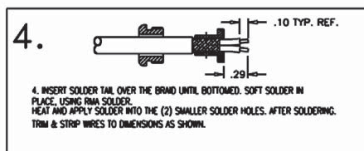
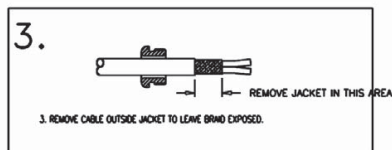
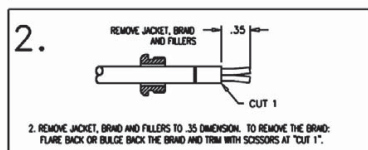
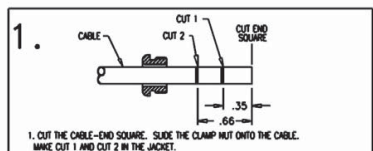
6. PUSH K-GRIP OF CONNECTOR OVER DIELECTRIC AND FOIL AND UNDER THE CABLE BRAID UNTIL THE DIELECTRIC BOTTOMS IN THE CONNECTOR.

7.

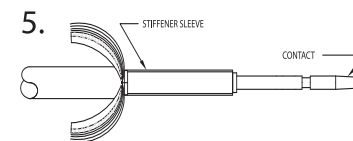


7. SLIDE CRIMP SLEEVE OVER K-GRIP AND BRAID TO THE CONNECTOR BODY SHOULDER. CRIMP IN PLACE USING KTH-1000 CRIMP TOOL AND KTH-2026 DIE SET.

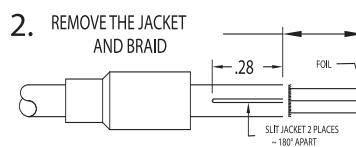
NOTES:
NO SPECIFIC ORIENTATION FOR CRIMP SLEEVE.



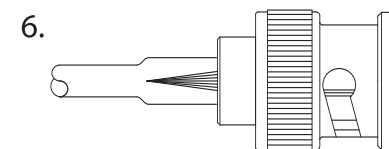
1. CUT THE CABLE-END SQUARE. SLIDE THE CRIMP SLEEVE ONTO THE CABLE. MAKE CUTS IN THE JACKET AT .32" FROM THE END OF THE CABLE.



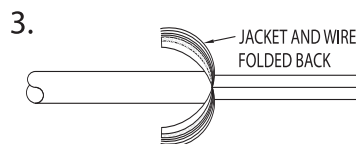
5. SLIDE STIFFENER SLEEVE OVER CABLE DIELECTRIC. CRIMP CONTACT INTO PLACE WITH NAIL HEAD AGAINST DIELECTRIC.



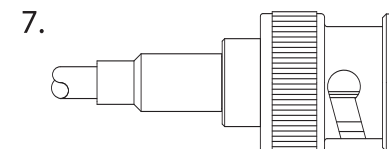
2. REMOVE THE JACKET AND BRAID TO THE FIRST CUT. SLIT THE JACKET 2 PLACES AS SHOWN. .28 LONG.



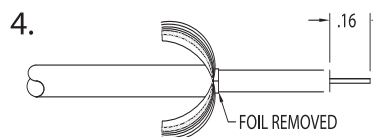
6. INSERT CONTACT INTO K-GRIP OF CONNECTOR AND SNAP INTO PLACE. FOLD WIRE AND JACKET SECTIONS OVER K-GRIP.



3. FOLD BACK TWO JACKET SECTIONS ALONG WITH OUTER CONDUCTOR WIRE STRANDS.



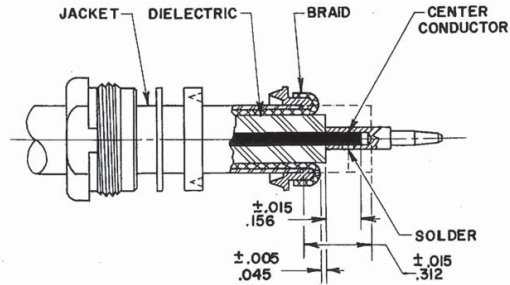
7. SLIDE CRIMP SLEEVE OVER K-GRIP AND JACKET TO THE CONNECTOR BODY SHOULDER AND CRIMP IN PLACE.



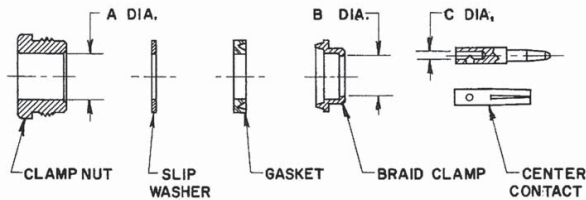
4. REMOVE FOIL AS CLOSE TO FOLDED BACK JACKET AS POSSIBLE. TRIM DIELECTRIC AS SHOWN.

NOTES:

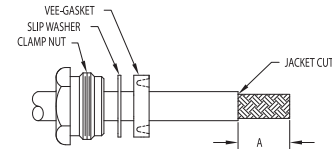
1. LARGE I.D. OF CRIMP SLEEVE TO GO OVER K-GRIP BODY OF CONNECTOR.



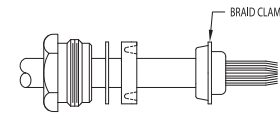
1. WITH CLAMP NUT, SLIP WASHER & GASKET ON CABLE, REMOVE JACKET TO $.312 \pm .015$ DIM.
2. SLIDE BRAID CLAMP OVER BRAID AGAINST JACKET EDGE. COMB OUT BRAID WIRES, FOLD BACK OVER BRAID CLAMP & TRIM AS SHOWN.
3. REMOVE DIELECTRIC TO $.045 \pm .005$ DIM. & TRIM CENTER CONDUCTOR TO $.156 \pm .015$ DIM.
4. SOLDER CENTER CONTACT TO CENTER CONDUCTOR.
5. THREAD ASSEMBLY SECURELY INTO CONNECTOR BODY. RECOMMENDED TORQUE: 55-60 IN.LBS.



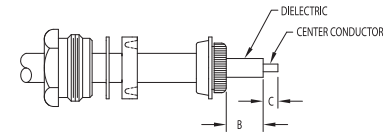
MILITARY PART NUMBER	KINGS NUMBER	CABLE USAGE	PIECE PART DIM'S. A DIA. B DIA. C DIA.		
M39012/06-0001 M39012/08-0002 M39012/11-0001	KD-59-132 KD-19-71 KD-19-61	RG-5, 6, 21, 143, 212, 222, 304/U	.35	.27	.06
M39012/06-0002 M39012/08-0001 M39012/11-0002	KD-59-119 KD-19-72 KD-19-73	RG-8, 9, 213, 214/U	.44	.37	.10



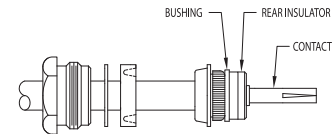
1. CUT CABLE END SQUARE, PLACE CLAMP NUT, SLIP WASHER (WHEN SUPPLIED) AND VEE-GASKET OVER JACKET. REMOVE JACKET TO DIMENSION "A".



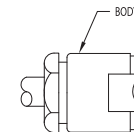
2. COMB OUT BRAID AND TAPER FORWARD. PLACE BRAID CLAMP OVER BRAID AGAINST JACKET CUT.



3. FOLD OUTER BRAID BACK OVER BRAID CLAMP AND TRIM AS SHOWN. REMOVE INNER JACKET TO EDGE OF OUTER BRAID. COMB OUT INNER BRAID AND FOLD BACK OVER OUTER BRAID AND BRAID CLAMP. TRIM INNER BRAID AS SHOWN. REMOVE DIELECTRIC TO DIMENSION "B". CUT CENTER CONDUCTOR TO DIMENSION "C".

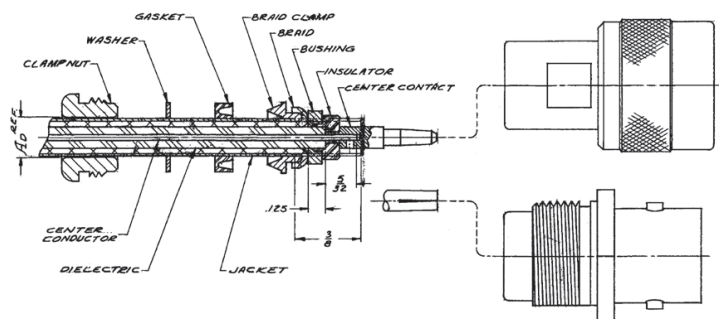


4. PLACE BUSHING AND REAR INSULATOR OVER DIELECTRIC AND AGAINST BRAID CLAMP AS SHOWN. SOLDER OR CRIMP (WHEN APPLICABLE) CONTACT TO CENTER CONDUCTOR.

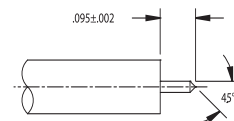


5. PLACE FRONT INSULATOR OVER CONTACT. THREAD ASSEMBLY INTO CONNECTOR BODY AND LOCK SECURELY. VEE-GASKET MUST BE SPLIT BY BRAID CLAMP. (35-40 IN-LBS RECOMMENDED TORQUE).

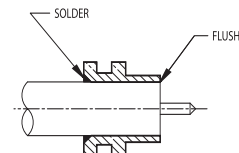
TRIM CODE CHART			
DASH NO.	A	B	C
-1	.625	.288	.218



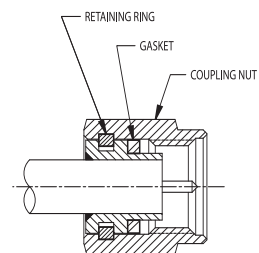
1. CUT CABLE END SQUARE. SLIDE CLAMP NUT, WASHER & GASKET OVER JACKET.
2. REMOVE JACKET TO 3/8 DIMENSION WITHOUT NICKING BRAID.
3. SLIDE BRAID CLAMP OVER BRAID AND BUTT AGAINST JACKET SHOULDER.
4. COMB OUT BRAID WIRES, FLARE OVER BRAID CLAMP SHOULDER AND TRIM AS SHOWN.
5. REMOVE DIELECTRIC TO .125 DIMENSION. DO NOT NICK CENTER CONDUCTOR.
6. CUT CENTER CONDUCTOR TO 5/32 DIMENSION AND TIN.
7. ASSEMBLE BUSHING, INSULATOR AND CENTER CONTACT ON CABLE AS SHOWN. SOLDER CONTACT IN POSITION WITHOUT DISTORTING DIELECTRIC BY OVER HEATING.
8. THREAD ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN SUFFICIENTLY TO SPLIT GASKET AND INSURE GOOD CONTACT BETWEEN BRAID CLAMP AND WASHER.



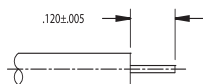
1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR. CHAMFER CENTER CONDUCTOR AS SHOWN.



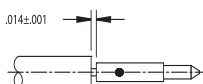
2. INSERT CABLE INTO BODY. BODY AND CABLE TO BE FLUSH AT INTERFACE. SOLDER CABLE INTO BODY. TRIM ANY EXCESS DIELECTRIC MATERIAL.



3. ASSEMBLE GASKET, RETAINING RING, AND COUPLING NUT.



1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.



2. SOLDER CONDUCTOR TO CENTER CONTACT. LEAVE GAP AS SHOWN. CLEAN.

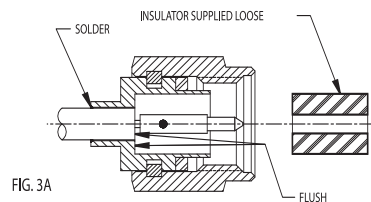


FIG. 3A

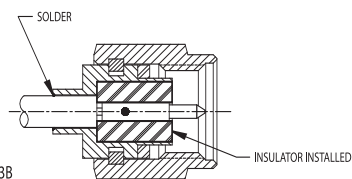
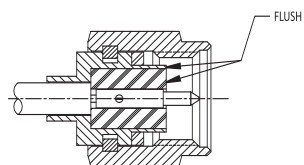
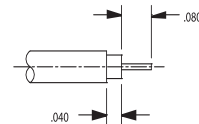


FIG. 3B

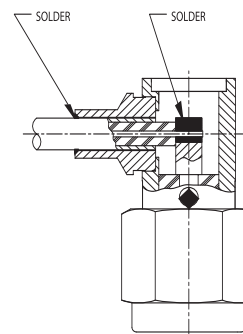


3. FOR CONNECTORS WITH INSULATORS SUPPLIED LOOSE: INSERT CABLE INTO BODY UNTIL CABLE IS FLUSH WITH SHOULDER IN BODY. SOLDER CABLE INTO BODY. TRIM ANY EXCESS DIELECTRIC MATERIAL. CLEAN. REFER TO FIG. 3A. FOR CONNECTORS WITH INSULATORS INSTALLED: INSERT CABLE INTO BODY UNTIL IT BUTTS AGAINST INSULATOR. SOLDER CABLE INTO BODY. CLEAN. REFER TO FIG. 3B.

4. FOR CONNECTORS WITH INSULATORS SUPPLIED LOOSE: PRESS IN INSULATOR FLUSH TO BODY.



1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.



2. INSERT CABLE INTO BODY. DIELECTRIC MUST BUTT AGAINST CENTER CONTACT, AND CENTER CONDUCTOR MUST ENTER SLOT IN CONTACT. SOLDER CABLE INTO BODY. CLEAN.

3. SOLDER CONDUCTOR INTO SLOT THROUGH REAR ACCESS HOLE. CLEAN.

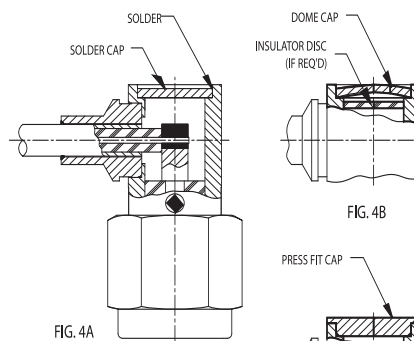


FIG. 4A

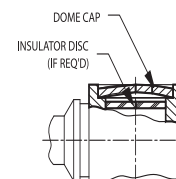


FIG. 4B

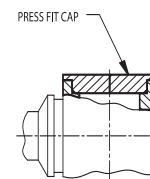
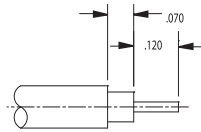
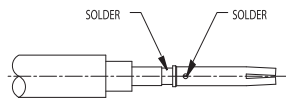


FIG. 4C

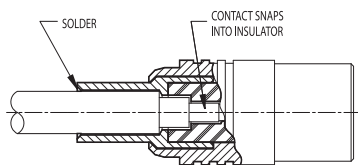
4. ASSEMBLE CAP INTO BODY:
FOR FLAT CAPS, SOLDER CAP INTO BODY AND CLEAN (SEE FIG. 4A)
FOR DOME CAPS, PLACE INSULATOR DISC (IF REQUIRED) INTO BODY. PLACE CAP IN BODY WITH DOME UP AND PRESS OR DIMPLE CAP. (SEE FIG. 4B)
FOR PRESS FIT CAPS, PRESS CAP INTO BODY. (SEE FIG. 4C)



1. TRIM CABLE TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.

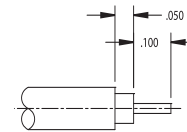


2. SOLDER CONTACT TO CENTER CONDUCTOR. CLEAN.

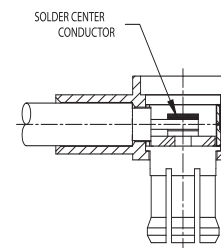


3. INSERT CENTER CONTACT INTO BODY UNTIL IT SNAPS INTO INSULATOR.

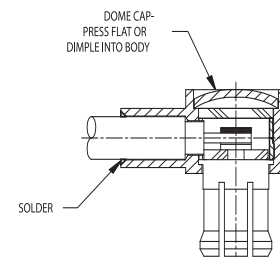
4. SOLDER CABLE JACKET TO BODY. CLEAN.



1. TRIM CABLE TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



2. INSERT CABLE INTO BODY UNTIL CABLE BOTTOMS IN BODY. CENTER CONDUCTOR MUST ENTER SLOT IN CONTACT. SOLDER CONTACT. CLEAN.

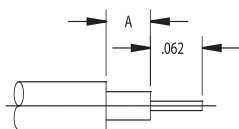


3. SOLDER CABLE JACKET INTO BODY. CLEAN.

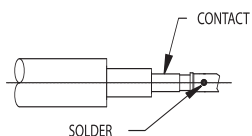
4. PLACE INSULATOR INTO ACCESS HOLE OVER CONTACT.

5. PLACE DOME CAP INTO BODY AND PRESS FLAT OR DIMPLE.

PART NUMBER		A
470-500-0470	471-500-0470	.040
470-500-0850	471-500-0850	.050

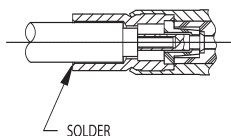


1. Trim cable to dimension shown. Do not nick center conductor.



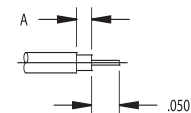
2. Solder contact to center conductor. Clean.

3. Insert center contact into body until it snaps into insulator.

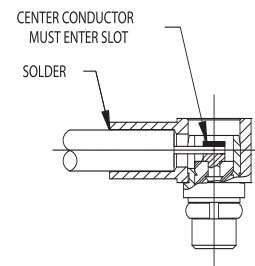


4. Solder cable jacket to body. Assure cable jacket bottoms in connector body while soldering. Allow to cool. Clean.

PART NUMBER		A
472-500-0470		.040
472-500-0850		.050

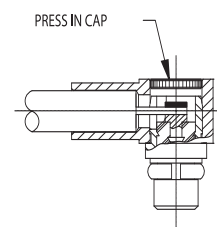


1. Trim cable to dimensions shown. Do not nick center conductor.

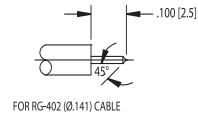


2. Insert cable into body until it butts. Center conductor must enter slot of contact.

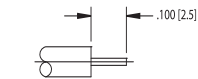
3. Solder cable jacket into body. Assure cable jacket bottoms in connector body while soldering. Allow to cool. Clean.



4. Solder center conductor of cable into slot of contact. Allow to cool. Clean. Press cap into body.



FOR RG-402 (Ø.141) CABLE



FOR RG-405 (Ø.085) CABLE

FIGURE 1

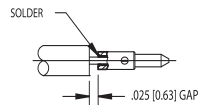


FIGURE 2

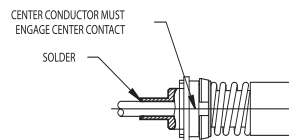


FIGURE 3

1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR. (SEE FIG. 1)

SKIP THIS STEP WHEN USING RG-402 (Ø.141) CABLE
2. SLIDE CENTER CONDUCTOR OF CABLE INTO REAR CONTACT. SET GAP BETWEEN CONTACT AND DIELECTRIC OF CABLE. SOLDER. CLEAN. (SEE FIG. 2)

2. INSERT CABLE INTO BODY UNTIL IT BUTTS UP AGAINST COUNTERBORE. CENTER CONDUCTOR MUST ENGAGE TINES IN CENTER CONTACT. SOLDER OUTER CONDUCTOR OF CABLE TO BODY. CLEAN. (SEE FIG. 3)

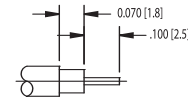


FIGURE 1

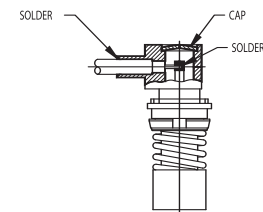


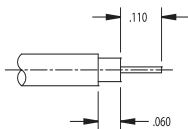
FIGURE 2

1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR. (SEE FIG. 1)

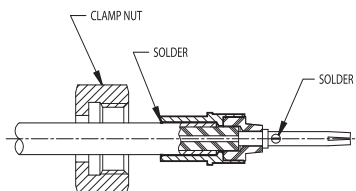
2. INSERT CABLE INTO BODY UNTIL IT BUTTS UP AGAINST COUNTERBORE. CENTER CONDUCTOR MUST ENTER SLOT IN CENTER CONTACT. SOLDER OUTER CONDUCTOR OF CABLE TO BODY. CLEAN. (SEE FIG. 2)

3. SOLDER CENTER CONDUCTOR OF CABLE TO CENTER CONTACT. CLEAN. (SEE FIG. 2)

4. PLACE CAP INTO BODY AS SHOWN AND DEPRESS CAP TO EXPAND INSIDE COUNTERBORE OF BODY. (SEE FIG. 2)

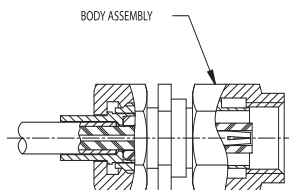


1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK THE CENTER CONDUCTOR.

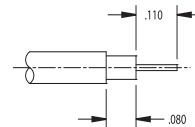


2. SLIDE CLAMP NUT OVER CABLE. INSERT CABLE INTO SLEEVE ASSEMBLY. CENTER CONDUCTOR MUST PASS THROUGH HOLE IN INSULATOR. CABLE JACKET MUST BUTT AGAINST SHOULDER INSIDE SLEEVE. SOLDER CABLE INTO SLEEVE. CLEAN.

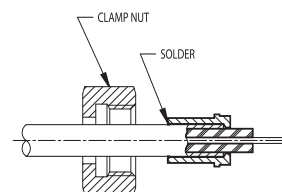
3. ASSEMBLE CENTER CONTACT TO CENTER CONDUCTOR BY INSERTING INTO HOLE OF INSULATOR. SOLDER CONDUCTOR THROUGH HOLE IN CONTACT. CLEAN.



4. ASSEMBLE SLEEVE ASSEMBLY TO BODY. SLIDE CLAMP NUT FORWARD AND CLAMP SLEEVE TO BODY. TORQUE CLAMP NUT TO 8 IN.-LBS.

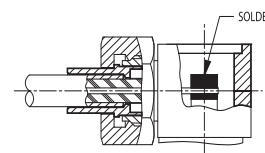


1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK THE CENTER CONDUCTOR.



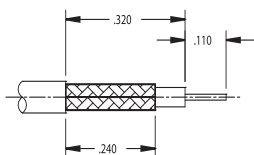
2. SLIDE CLAMP NUT OVER CABLE. INSERT CABLE INTO SLEEVE ASSEMBLY. CENTER CONDUCTOR MUST PASS THROUGH HOLE IN SLEEVE. CABLE JACKET MUST BUTT AGAINST SHOULDER INSIDE SLEEVE. SOLDER CABLE INTO SLEEVE. CLEAN.

3. SOLDER CONDUCTOR INTO SLOT IN CONTACT THROUGH REAR ACCESS HOLE. CLEAN.

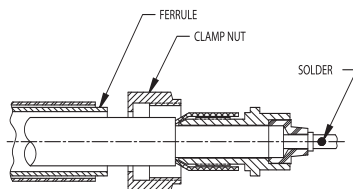


4. ASSEMBLE SLEEVE ASSEMBLY TO BODY. SLIDE CLAMP NUT FORWARD AND CLAMP SLEEVE TO BODY. TORQUE CLAMP NUT TO 8 IN.-LBS. PRESS CAP INTO BODY.

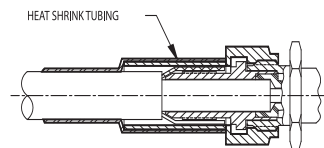
PART NUMBER			FERRULE HEX SIZE
510-800-0360	511-680-0360	511-880-0360	.105
510-800-0630	511-680-0630	511-880-0630	.128
510-800-0631	511-680-0631	511-880-0631	.151



1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.

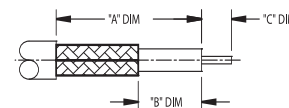


2. SLIDE SHRINK TUBING, FERRULE, AND CLAMP NUT OVER CABLE. INSERT CABLE INTO WEDGE ASSEMBLY. CENTER CONDUCTOR MUST ENTER AND PROTRUDE THROUGH HOLE IN INSULATOR. DIELECTRIC OF CABLE MUST BUTT AGAINST INSULATOR IN WEDGE. ASSEMBLE CENTER CONTACT TO WEDGE ASSEMBLY BY INSERTING CONTACT INTO HOLE IN INSULATOR. SOLDER CONTACT TO CENTER CONDUCTOR THROUGH HOLE IN CONTACT. CLEAN.

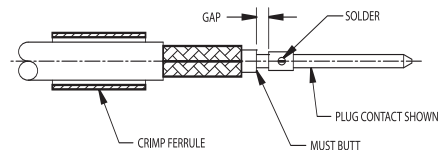


3. ASSEMBLE WEDGE ASSEMBLY TO BODY. SLIDE CLAMP NUT FORWARD AND CLAMP WEDGE TO BODY. TORQUE CLAMP NUT TP 8 IN.-LBS. SLIDE FERRULE FORWARD AND CRIMP. SLIDE SHRINK TUBING FORWARD AND HEAT SHRINK.

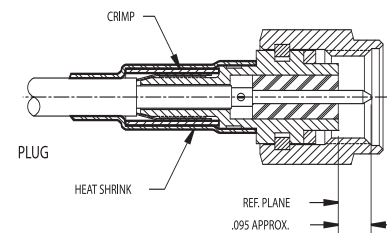
PART NUMBER		"A" DIM	"B" DIM	"C" DIM	GAP	FERRULE HEX SIZE
250-900-0630		.250	.040	.110	.000	.128
250-900-0631		.250	.040	.110	.000	.151
250-900-1160	250-900-1161	.190	.000	.100	.000	.213
251-975-0630		.380	.160	.110	.015	.128
251-975-0631		.380	.160	.110	.015	.151
251-975-1160	251-975-1161	.300	.110	.100	.000	.213
350-900-0630		.270	.060	.110	.000	.128
350-900-0631		.270	.060	.110	.000	.151
350-900-1160	350-900-1161	.218	.000	.090	.000	.213
351-900-0630		.320	.110	.110	.019	.128
351-900-0631		.320	.110	.110	.019	.151
351-900-1160	351-900-1161	.302	.092	.125	.000	.213
351-975-0630		.270	.000	.140	.000	.128
351-975-0631		.270	.000	.140	.000	.151
351-975-1160	351-975-1161	.300	.110	.100	.000	.213



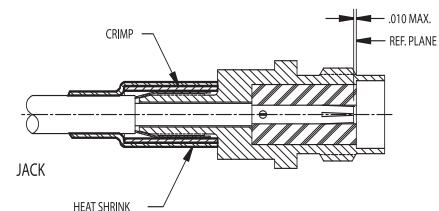
1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.



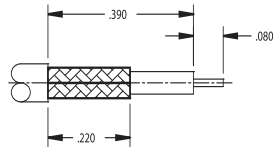
2. SLIDE FERRULE OVER CABLE. SOLDER CENTER CONTACT TO CENTER CONDUCTOR THROUGH HOLE IN CONTACT. CONTACT MUST BUTT AGAINST DIELECTRIC. CLEAN.



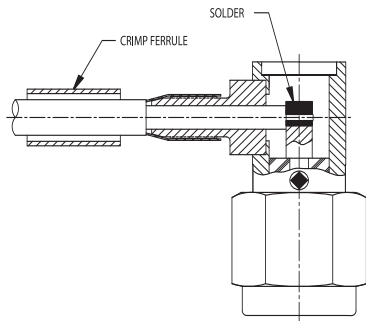
3. SLIDE FERRULE FORWARD OVER BRAID AND CRIMP. SHRINK SLEEVING OVER FERRULE AND CABLE.



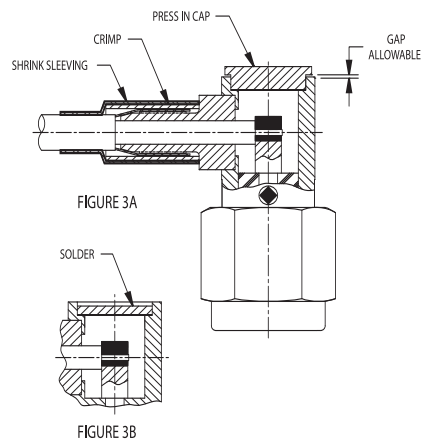
PART NUMBER	FIG.	FERRULE HEX SIZE
252-900-0630	3B	.128
252-900-0631	3B	.151
252-900-1160	3B	.213
352-900-0630	3A	.128
352-900-0631	3A	.151
352-900-1160	3A	.213



1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.



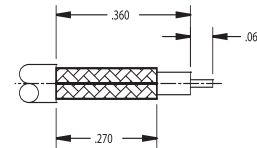
2. SLIDE FERRULE OVER CABLE. INSERT CABLE INTO WEDGE. CENTER CONDUCTOR MUST ENTER SLOT IN CENTER CONTACT. DIELECTRIC OF CABLE MUST BUTT AGAINST CONTACT. SOLDER CENTER CONDUCTOR INTO SLOT IN CONTACT. CLEAN.



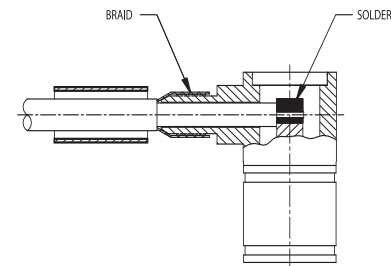
3. SLIDE FERRULE FORWARD AND CRIMP. PRESS OR SOLDER CAP INTO BODY PER FIG. 1 OR 2. NOTE: WHEN PRESSING IN CAP, DO NOT SEAT ON COUPLING NUT.

4. SHRINK SLEEVING OVER FERRULE AND CABLE AS SHOWN.

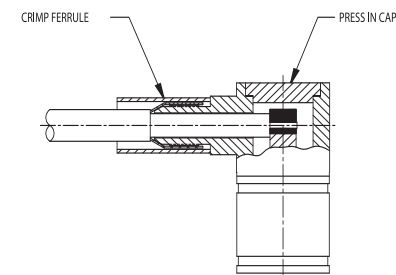
PART NUMBER	FERRULE HEX SIZE
512-900-0360	.105
512-900-0630	.128
512-900-0631	.151



1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.

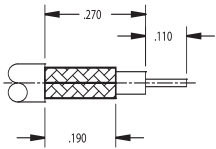


2. SLIDE FERRULE OVER CABLE. INSERT CABLE INTO WEDGE. CENTER CONDUCTOR MUST ENTER SLOT IN CENTER CONTACT. DIELECTRIC OF CABLE MUST BUTT AGAINST CONTACT. SOLDER CENTER CONDUCTOR INTO SLOT IN CONTACT. CLEAN.

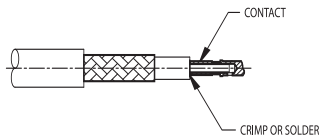


3. SLIDE FERRULE FORWARD AND CRIMP. PRESS CAP INTO BODY.

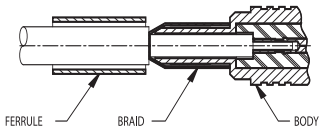
PART NUMBER	CRIMP TOOL (CENTER CONTACT)	POSITIONER	TOOL SETTING
450-900-SERIES	T 2400	P 0632	4
451-980-SERIES			



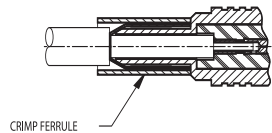
1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK BRAIDS OR CENTER CONDUCTOR.



2. SLIDE FERRULE OVER BRAID. PLACE CENTER CONTACT INTO POSITIONER OF CRIMP TOOL (SEE TABLE FOR POSITIONER AND SETTING). INSERT CABLE CENTER CONDUCTOR INTO AND CRIMP. DIELECTRIC OF CABLE MUST BUTT AGAINST SHOULDER OF CONTACT. (NOTE: CENTER CONTACT MAY BE SOLDERED TO CENTER CONDUCTOR).

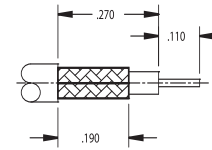


3. FLAIR BRAID. INSERT CENTER CONTACT INTO BODY UNTIL IT SNAPS INTO INSULATOR. BRAID WILL SIT OVER BARREL PORTION OF BODY.

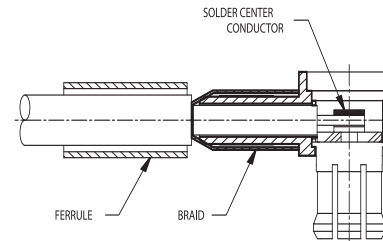


4. SLIDE FERRULE FORWARD OVER BRAID AND CRIMP WITH APPROPRIATE HEX CRIMP DIE.

PART NUMBER	FERRULE HEX SIZE
452-900-0360	.105
452-900-0630	.128
452-900-0631	.151

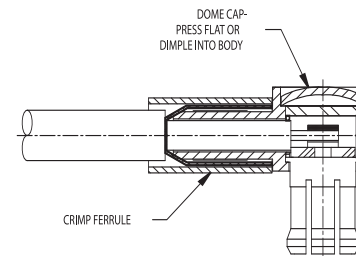


1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK BRAIDS OR CENTER CONDUCTOR.



2. SLIDE FERRULE OVER BRAID. FLAIR BRAID AND INSERT INTO BODY. CENTER CONDUCTOR MUST ENTER SLOT IN CONTACT. SOLDER CONTACT. CLEAN.

3. SLIDE FERRULE FORWARD OVER BRAID AND CRIMP WITH APPROPRIATE HEX CRIMP DIE.



4. PLACE INSULATOR INTO ACCESS HOLE OVER CENTER CONTACT.

PART NUMBER			DIM A	DIM B	DIM C	HEX SIZE
360-900-0630	360-974-0630	361-900-0630	.200 [5.1]	.220 [5.6]	.100 [2.5]	.128 [3.25]
361-922-0630			.200 [5.1]	.220 [5.6]	.100 [2.5]	.128 [3.25]

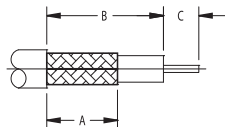


FIGURE 1

1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK BRAID OR CENTER CONDUCTOR. (SEE FIG. 1)

2. SLIDE CENTER CONDUCTOR OF CABLE INTO REAR CONTACT. SET GAP BETWEEN CONTACT AND DIELECTRIC OF CABLE. SOLDER. CLEAN. (SEE FIG. 2)

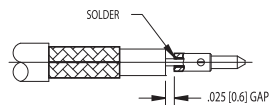


FIGURE 2

3. SLIDE FERRULE ONTO CABLE. FLAIR BRAID. INSERT CABLE INTO BODY, ALLOWING BRAID TO SLIDE OVER OUTSIDE OF BODY. INSERT CABLE UNTIL DIELECTRIC BUTTS AGAINST INSULATOR INSIDE BODY. REAR CONTACT MUST ENGAGE WITH FRONT CONTACT INSIDE BODY. (SEE FIG. 3)

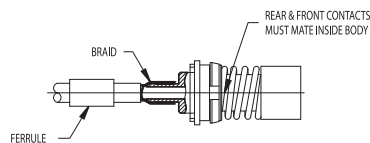


FIGURE 3

4. SLIDE FERRULE FORWARD OVER BRAID, UP TO SHOULDER AND CRIMP.

PART NUMBER			DIM A	DIM B	DIM C	HEX SIZE
362-974-0630			.200 [5.1]	.310 [7.9]	.100 [2.5]	.128 [3.25]
363-922-0630			.200 [5.1]	.330 [8.4]	.100 [2.5]	.128 [3.25]

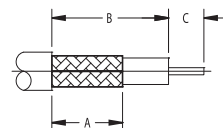


FIGURE 1

1. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK BRAID OR CENTER CONDUCTOR. (SEE FIG. 1)

2. SLIDE FERRULE ONTO CABLE. FLAIR BRAID. INSERT CABLE INTO BODY, ALLOWING BRAID TO SLIDE OVER OUTSIDE OF BODY. CENTER CONDUCTOR MUST ENTER SLOT IN CENTER CONTACT. SOLDER CENTER CONDUCTOR TO CONTACT. CLEAN. (SEE FIG. 2)

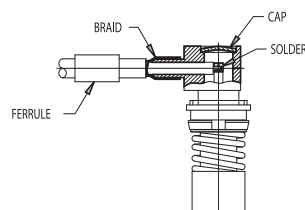
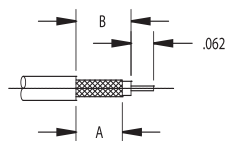


FIGURE 2

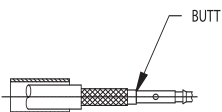
3. SLIDE FERRULE FORWARD OVER BRAID, UP TO SHOULDER AND CRIMP.

4. PLACE CAP INTO BODY AS SHOWN AND DEPRESS CAP TO EXPAND INSIDE COUNTERBORE OF BODY. (SEE FIG. 2)

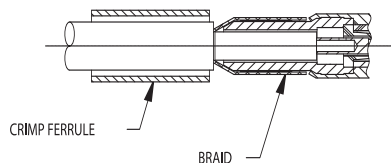
PART NUMBER		A	B	FERRULE HEX SIZE
470-900-0360	471-900-0360	.190	.225	.105
470-900-0630	471-900-0630	.190	.225	.128



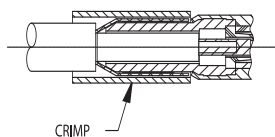
1. Trim cable to dimensions shown. Do not nick center conductor.



2. Slide ferrule over jacket. Insert center conductor of cable into contact. Dielectric of cable must butt against contact. Solder contact to center conductor. Clean.

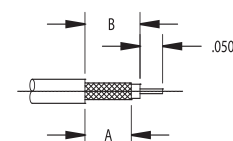


3. Flair braid. Insert center contact into body until it snaps into insulator.

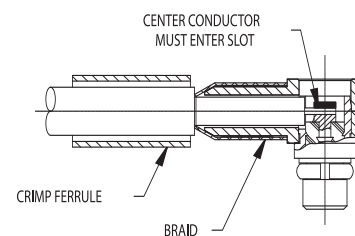


4. Slide ferrule over braid up to the shoulder of body. Crimp ferrule to retain braid. See table for hex sizes.

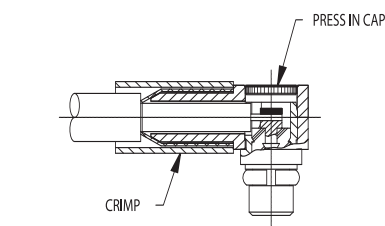
PART NUMBER		A	B	FERRULE HEX SIZE
472-900-0360		.190	.225	.105
472-900-0630		.190	.225	.128



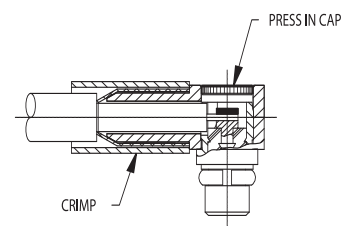
1. Trim cable to dimensions shown. Tin the center conductor.



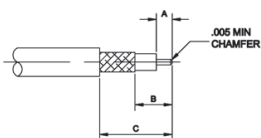
2. Slide ferrule over jacket. Flair braid. Insert cable into body. Center conductor must enter slot in contact. Solder contact. Clean.



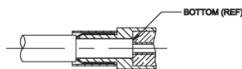
3. Slide ferrule over braid up to the shoulder of body. Crimp ferrule to retain braid. See table for hex sizes.



4. Press cap into body.



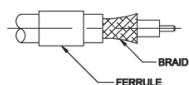
1. STRIP CABLE TO DIMENSIONS AS SHOWN.



3. SLIDE CABLE INTO BODY, CENTER CONDUCTOR TO ENTER PREASSEMBLED SOCKET CONTACT, UNTIL CABLE DIELECTRIC BOTTOMS AGAINST INSULATOR. SLIDE FERRULE OVER BRAID UP TO THE SHOULDER OF BODY.



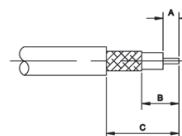
4. CRIMP THE FERRULE WITH HEX DIE.



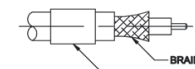
2. SLIDE FERRULE OVER JACKET, FLARE BRAID.

STRIP AND HEX DIE CHART:

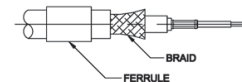
PART NUMBER	A	B	C	HEX DIE
0345-E00-28C01	.155	.312	.624	.192
0345-E00-C7201				.178



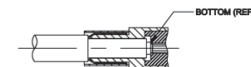
1. STRIP CABLE TO DIMENSIONS AS SHOWN.



2. SLIDE FERRULE OVER JACKET, FLARE BRAID.



3. CRIMP (OR SOLDER) CONTACT TO CABLE USING A .042" HEX DIE.



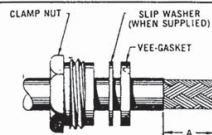
4. SLIDE CABLE INTO BODY UNTIL CABLE DIELECTRIC BOTTOMS AGAINST INSULATOR. SLIDE FERRULE OVER BRAID UP TO THE SHOULDER OF BODY.



5. CRIMP THE FERRULE WITH HEX DIE.

STRIP AND HEX DIE CHART:

PART NUMBER	A	B	C	HEX DIE
0345-E00-C7202	.150	.327	.625	.042 .178



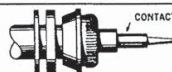
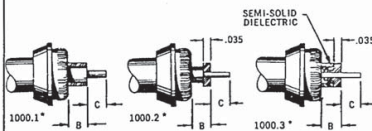
1. Cut cable end square, place clamp-nut, slip washer (when supplied), and gasket over jacket. Remove jacket to dimension "A."



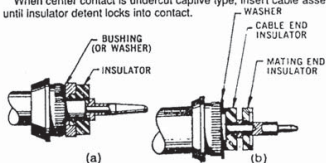
2. Comb out braid and taper forward. Place braid clamp over braid against jacket cut.



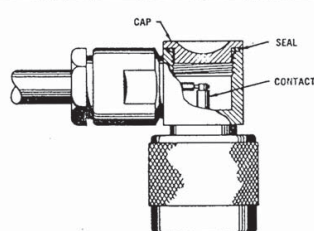
3. Fold braid back over braid clamp and trim as shown above. Remove dielectric to dimension "B." Cut center conductor to dimension "C." When cable positioning insulators are used adjust trim code dimensions as shown below, and assemble as indicated.



4. Solder contact to center conductor. For access type angle connectors, omit this step and proceed to step 5. For captive contacts: (a) assemble bushing and insulator, attach contact, or (b) assemble washer and larger (cable end) insulator. Attach contact. Assemble smaller (mating end) insulator. When center contact is undercut captive type, insert cable assembly until insulator detent locks into contact.



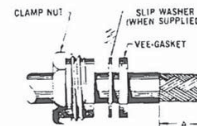
5. Thread assembly into connector, and lock securely. Vee gasket must be split by braid clamp.



6. For access type angle connectors, solder center conductor in contact groove. Close access opening.

TRIM CODE CHART

CODE	A	B	C
1001	11/16	.440	7/64
1002	23/32	.470	7/64
1003	11/16	.420	1/8
1004	11/32	.106	7/64
1005	11/32	.040	5/32
1008	3/8	.180	1/16
1012	13/32	.128	5/32
1013	7/16	.170	5/32
1014	7/16	.118	7/32
1015	3/8	.118	5/32
1016	3/8	.046	7/32
1017	13/32	.074	3/16
1018	31/64	.065	7/32
1019	5/8	.371	5/32
1021	3/8	.096	5/32
1022	5/16	.046	5/32
1024	3/8	.046	3/16
1025	13/32	.216	3/32
1030	1/4	.045	3/32
1031	5/8	.296	7/32
1033	19/32	.327	5/32
1042	5/16	.070	1/8
1044	5/16	.105	9/64
1050	19/64	.109	7/64



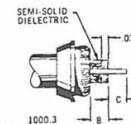
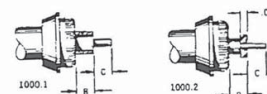
1. Cut cable end square, place clamp-nut, slip washer (when supplied), and gasket over jacket. Remove jacket to dimension "A."



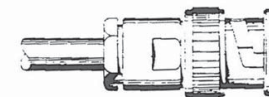
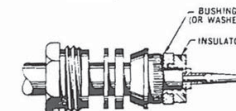
2. Comb out braid and taper forward. Place braid clamp over braid against jacket cut.



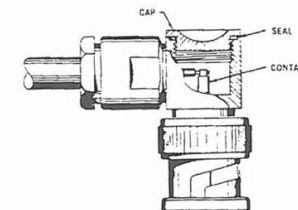
3. Fold braid back over braid clamp and trim as shown above. Remove dielectric to dimension "B." Cut center conductor to dimension "C." When cable positioning insulators are used adjust trim code dimensions as shown below, and assemble as indicated.



4. Solder or crimp contact to center conductor. For access type angle connectors, omit this step and proceed to step 5. For captive contacts, assemble contact capturing parts on cable before attaching contact as shown below.



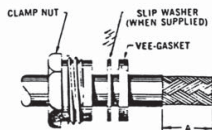
5. Thread assembly into connector, and lock securely. Vee gasket must be split by braid clamp.



6. For access type angle connectors, solder center conductor in contact groove. Close access opening.

TRIM CODE CHART

CODE	A	B	C
1006	3/4	.531	7/64



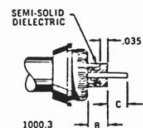
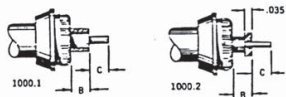
- 1.** Cut cable end square, place clamp-nut, slip washer (when supplied), and gasket over jacket. Remove jacket to dimension "A."



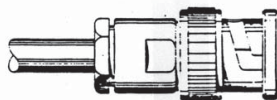
- 2.** Comb out braid and taper forward. Place braid clamp over braid against jacket cut.



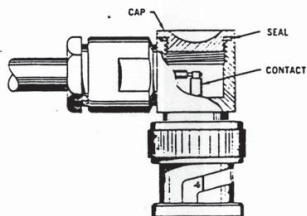
- 3.** Fold braid back over braid clamp and trim as shown above. Remove dielectric to dimension "B." Cut center conductor to dimension "C."
When cable positioning insulators are used adjust trim code dimensions as shown below, and assemble as indicated.



- 4.** Solder or crimp contact to center conductor. For access type angle connectors, omit this step and proceed to step 5.
For captive contacts, assemble contact capturing parts on cable before attaching contact as shown below.



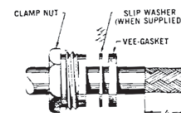
- 5.** Thread assembly into connector, and lock securely. Vee gasket must be split by braid clamp.



- 6.** For access type angle connectors, solder center conductor in contact groove. Close access opening.

TRIM CODE CHART

CODE	A	B	C
1040	3/8	.070	5/32



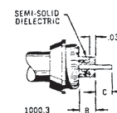
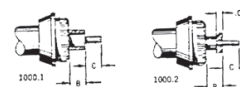
- 1.** Cut cable end square, place clamp-nut, slip washer (when supplied), and gasket over jacket. Remove jacket to dimension "A."



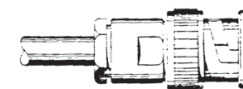
- 2.** Comb out braid and taper forward. Place braid clamp over braid against jacket cut.



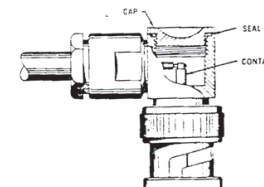
- 3.** Fold braid back over braid clamp and trim as shown above. Remove dielectric to dimension "B." Cut center conductor to dimension "C."
When cable positioning insulators are used adjust trim code dimensions as shown below, and assemble as indicated.



- 4.** Solder or crimp contact to center conductor. For access type angle connectors, omit this step and proceed to step 5.
For captive contacts, assemble contact capturing parts on cable before attaching contact as shown below.



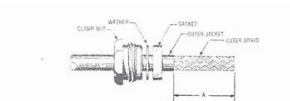
- 5.** Thread assembly into connector, and lock securely. Vee gasket must be split by braid clamp.



- 6.** For access type angle connectors, solder center conductor in contact groove. Close access opening.

TRIM CODE CHART

CODE	A	B	C
1052	1/2	.140	7/32



1. Cut cable end square. Slide clamp nut, washer and gasket over jacket. Remove outer jacket to dimension "A".



2. Place braid clamp over outer braid and against jacket cut. Comb out braid and fold back over braid clamp. Trim as shown.



3. Assemble retainer and insulator over inner jacket. Remove inner jacket to dimension "B".



4. Place braid clamp over inner braid and against inner jacket cut. Comb out braid and fold back over braid clamp. Trim even with base of braid clamp.



5. Place washer over dielectric against braid. Trim dielectric to dimension "C" and center conductor to dimension "D".



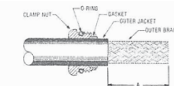
6. Solder center contact to center conductor.



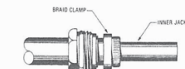
7. Assemble inner insulator, contact and outer insulator, then insert into body. Slide back end parts forward. Thread assembly into connector body and lock securely.

TRIM CODE CHART

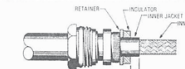
CODE	A	B	C	D
1301	.69	.096	.210	.094
1302	.69	.125	.214	.080
1303	.69	.096	.166	.141



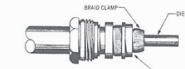
1. Cut cable end square. Assemble O-ring. Slide clamp nut and gasket over jacket. Remove outer jacket to dimension "A".



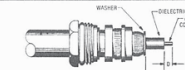
2. Place braid clamp over outer braid and against jacket cut. Comb out braid and fold back over braid clamp. Trim as shown.



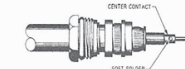
3. Assemble retainer and insulator over inner jacket. Remove inner jacket to dimension "B".



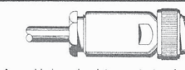
4. Place braid clamp over inner braid and against inner jacket cut. Comb out braid and fold back over braid clamp. Trim even with base of braid clamp.



5. Place washer over dielectric against braid. Trim dielectric to dimension "C" and center conductor to dimension "D".



6. Solder center contact to center conductor.



7. Assemble inner insulator, contact and outer insulator, then insert into body. Slide back end parts forward. Thread assembly into connector body and lock securely.

TRIM CODE CHART

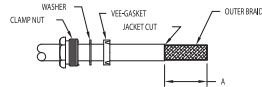
CODE	A	B	C	D
1301A	11/16	.096	.210	3/32

CABLE PROCEDURES (CP-1305)

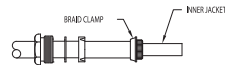
CONNECTING INNOVATION TO APPLICATION®

KINGS
by WINCHESTER
ELECTRONICS

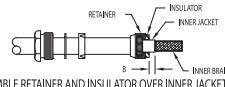
CABLE PROCEDURES



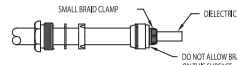
1. CUT CABLE END SQUARE, SLIDE CLAMP NUT, WASHER AND VEE-GASKET OVER JACKET. REMOVE OUTER JACKET TO DIMENSION "A".



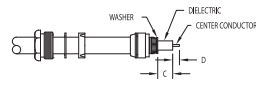
2. PLACE BRAID CLAMP OVER OUTER BRAID AND AGAINST JACKET CUT. COMB OUT BRAID AND FOLD BACK OVER BRAID CLAMP. TRIM AS SHOWN.



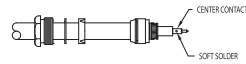
3. ASSEMBLE RETAINER AND INSULATOR OVER INNER JACKET. REMOVE INNER JACKET TO DIMENSION "B".



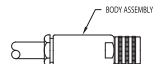
4. PLACE SMALL BRAID CLAMP OVER INNER BRAID AND AGAINST INNER JACKET CUT. COMB OUT BRAID AND FOLD BACK OVER SMALL CLAMP. TRIM EVEN WITH BASE OF BRAID CLAMP.



5. PLACE WASHER OVER DIELECTRIC AND AGAINST BRAID. TRIM DIELECTRIC TO DIMENSION "C" AND CENTER CONDUCTOR TO DIMENSION "D".



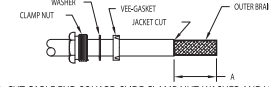
6. SOLDER CENTER CONTACT TO CENTER CONDUCTOR.



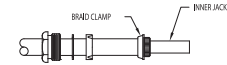
7. SLIDE BACK END PARTS FORWARD. ASSEMBLE INNER INSULATOR, INTERMEDIATE CONTACT AND OUTER INSULATOR. THREAD INTO CONNECTOR BODY AND TORQUE TO 30-35 IN.LBS.

TRIM CODE CHART			
A	B	C	D
.09	.096	.102	.094

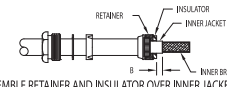
CABLE PROCEDURES (CP-1306)



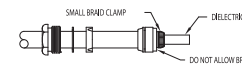
1. CUT CABLE END SQUARE, SLIDE CLAMP NUT, WASHER AND VEE-GASKET OVER JACKET. REMOVE OUTER JACKET TO DIMENSION "A".



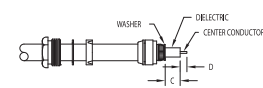
2. PLACE BRAID CLAMP OVER OUTER BRAID AND AGAINST JACKET CUT. COMB OUT BRAID AND FOLD BACK OVER BRAID CLAMP. TRIM AS SHOWN.



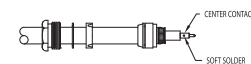
3. ASSEMBLE RETAINER AND INSULATOR OVER INNER JACKET. REMOVE INNER JACKET TO DIMENSION "B".



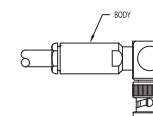
4. PLACE SMALL BRAID CLAMP OVER INNER BRAID AND AGAINST INNER JACKET CUT. COMB OUT BRAID AND FOLD BACK OVER SMALL CLAMP. TRIM EVEN WITH BASE OF BRAID CLAMP.



5. PLACE WASHER OVER DIELECTRIC AND AGAINST BRAID. TRIM DIELECTRIC TO DIMENSION "C" AND CENTER CONDUCTOR TO DIMENSION "D".



6. SOLDER CENTER CONTACT TO CENTER CONDUCTOR.



7. SLIDE BACK END PARTS FORWARD. ASSEMBLE THREAD ASSEMBLY INTO CONNECTOR BODY AND TORQUE TO 35 IN.LBS.

TRIM CODE CHART			
A	B	C	D
.09	.096	.243	.110

1. Cut cable end square. Slide cap over armor braid. Remove armor to dimension "A" and bulge back approximately 4".

2. Place clamp-nut, slip washer (when supplied), and gasket over jacket. Remove jacket to dimension "B."

3. Comb out braid and taper forward. Place braid clamp over braid against jacket cut.

4. Fold braid back over braid clamp and trim as shown above. Remove dielectric to dimension "C." Cut center conductor to dimension "D."

TRIM CODE CHART				
CODE	A	B	C	D
1601	1-5/32	3/8	.046	3/16
1606	1-1/8	9/32	.040	1/8
1607	1-3/32	1/4	.040	3/32
1608	1-5/32	3/8	.046	7/32

5. Solder contact to center conductor. For captive contacts, assemble contact capturing parts on cable before attaching contact as shown below.

6. Thread assembly into connector, and lock securely. Vee gasket must be split by braid clamp.

7. Slide armor braid forward over tapered end of nut, and trim as shown. Tighten cap securely with wrench.

1. Cut cable end square, slide K-GRIP sleeve over jacket and make cuts 1 and 2 in jacket.

2. Remove jackets to dimension "A," flare or bulge back braid and trim with scissors at edge of jacket.

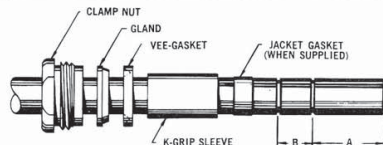
3. Remove jacket to dimension "B."

4. Using dielectric trim jig, trim dimension "C." Exposed center conductor length will be equal to dimension "D" of trim code.

5. Push K-GRIP Jr. over dielectric and under braid until dielectric bottoms in connector. Slide K-GRIP sleeve against shoulder on body and form hex. Soft solder contact as shown.

6. Thread assembly into connector, and lock securely.

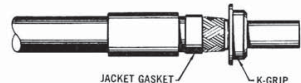
TRIM CODE CHART				
CODE	A	B	C	D
432	17/64	7/32	.390	3/32
439	7/32	7/32	.345	3/32
493	1/4	9/32	.390	.140
1901	.510	.220	.450	.280



1. Cut cable end square, slide K-GRIP sleeve and back end parts over jacket. Make cuts A and B in jacket.



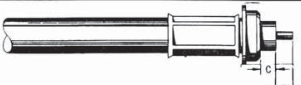
2. Remove jacket to dimension "A." Flare or bulge back braid. Trim with scissors at edge of jacket.



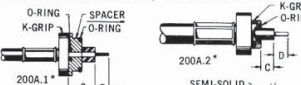
3. Remove jacket to dimension "B." Push K-GRIP over dielectric and under braid. Slide jacket gasket, when provided, forward to position flush with jacket edge. (When the "B" dimension in the trim code is 0, push the K-GRIP under both braid and jacket, butting braid against flange of K-GRIP. Teflon jackets may be slit axially 1/4" in the two places to facilitate entry of the K-GRIP.



4. Slide K-GRIP sleeve against flange on K-GRIP Form hex.



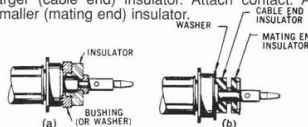
5. Trim dielectric to dimension "C." Cut center conductor to dimension "D." Assemble internal O-ring seals and spacer, when provided, as shown below. When cable positioning insulators are used, adjust trim code dimensions as shown below, and assemble as indicated.



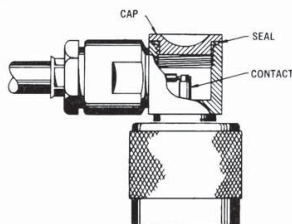
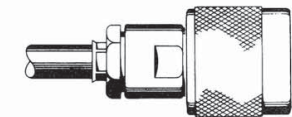
*Use appropriate dimensions from trim code chart at right.

6. Solder or crimp contact to center conductor. For access type angle connectors, omit this step and proceed to step 7.

For captive contacts: (a) assemble bushing and insulator. Attach contact or (b) assemble washer and larger (cable end) insulator. Attach contact. Assemble smaller (mating end) insulator.



7. Thread assembly into connector and lock securely. Vee gasket must be split by braid clamp.



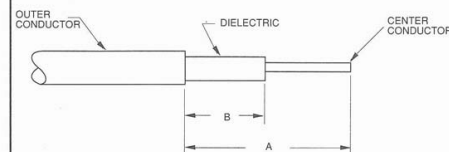
8. For access type angle connectors, solder center conductor in contact groove. Close access opening.

TRIM CODE CHART

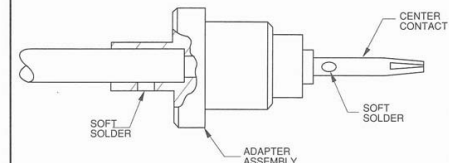
CODE	A	B	C	D
201A	1/2	7/32	.110	7/64
204A	5/8	7/32	.118	7/32
207A	9/16	7/32	.118	5/32
208A	29/32	7/32	.298	7/32
209A	19/32	7/32	.043	5/32
211A	35/64	7/32	.045	7/64
225A	3/8	0	.106	7/64
226A	9/16	3/16	.111	7/64
227A	45/64	3/16	.170	3/32
228A	37/64	3/16	.244	7/64
230A	19/32	7/32	.043	3/16
243A	9/32	0	.053	5/64

1. Cut cable end square and slide clamp nut onto outer conductor.

2. Remove outer conductor to dimension "A" and dielectric to dimension "B."



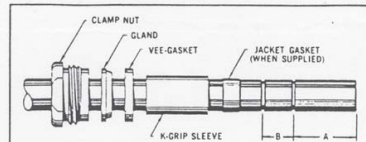
3. Insert cable into adapter assembly until bottomed. Soft solder outer conductor then center conductor as shown.



4. With connector body assembly mounted on bulkhead, insert cable assembly and lock securely with clamp nut.

TRIM CODE CHART

CODE	A	B
2101	3/8	.125



1. Cut cable end square, slide K-GRIP sleeve and back end parts over jacket. Using jacket trim jig, make cuts A and B in jacket.



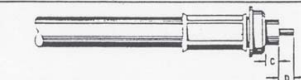
2. Remove jacket to dimension "A." Flare or bulge back braid. Trim with scissors at edge of jacket.



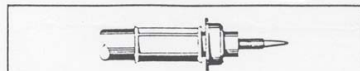
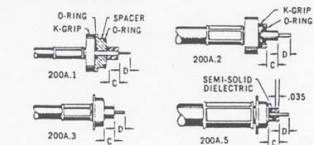
3. Remove jacket to dimension "B." Push K-GRIP over dielectric and under braid. Slide jacket gasket, when provided, forward to position flush with jacket edge. (When the "B" dimension in the trim code is 0, push the K-GRIP under both braid and jacket, butting braid against flange of K-GRIP. Teflon jackets may be slit axially 1/4" in the two places to facilitate entry of the K-GRIP.)



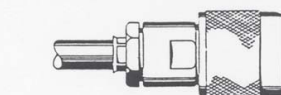
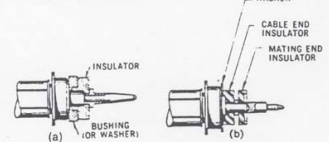
4. Slide K-GRIP sleeve against flange on K-GRIP Form hex.



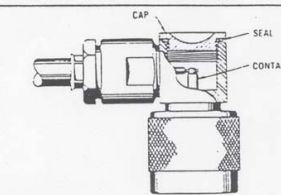
5. With dielectric trim jig, trim dielectric to dimension "C." Cut center conductor to dimension "D." Assemble internal O-ring seals and spacer, when provided, as shown below. When cable positioning insulators are used, adjust trim code dimensions as shown below, and assemble as indicated.



6. Solder or crimp contact to center conductor. For access type angle connectors, omit this step and proceed to step 7.
For captive contacts: (a) assemble bushing and insulator. Attach contact or (b) assemble washer and larger (cable end) insulator. Attach contact. Assemble smaller (mating end) insulator.

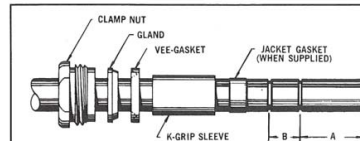


7. Thread assembly into connector and lock securely. Vee gasket must be split by braid clamp.



8. For access type angle connectors, solder center conductor in contact groove. Close access opening.

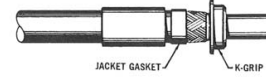
TRIM CODE CHART				
CODE	A	B	C	D
213A	21/32	7/32	.041	7/32



1. Cut cable end square, slide K-GRIP sleeve and back end parts over jacket. Make cuts A and B in jacket.



2. Remove jacket to dimension "A." Flare or bulge back braid. Trim with scissors at edge of jacket.



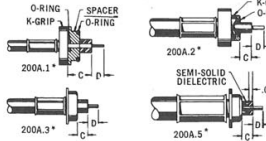
3. Remove jacket to dimension "B." Push K-GRIP over dielectric and under braid. Slide jacket gasket, when provided, forward to position flush with jacket edge. (When the "B" dimension in the trim code is 0, push the K-GRIP under both braid and jacket, butting braid against flange of K-GRIP. Teflon jackets may be slit axially 1/4" in the two places to facilitate entry of the K-GRIP.)



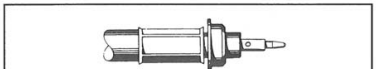
4. Slide K-GRIP sleeve against flange on K-GRIP Form hex.



5. Trim dielectric to dimension "C." Cut center conductor to dimension "D." Assemble internal O-ring seals and spacer, when provided, as shown below. When cable positioning insulators are used, adjust trim code dimensions as shown below, and assemble as indicated.

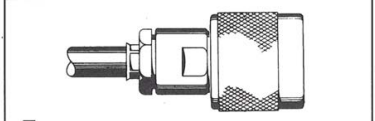
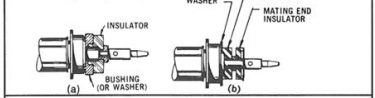


*Use appropriate dimensions from trim code chart at right.

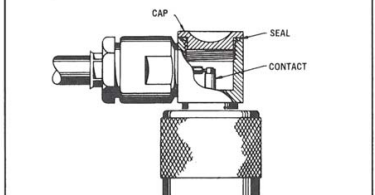


6. Solder or crimp contact to center conductor. For access type angle connectors, omit this step and proceed to step 7.

For captive contacts: (a) assemble bushing and insulator. Attach contact or (b) assemble washer and larger (cable end) insulator. Attach contact. Assemble smaller (mating end) insulator.

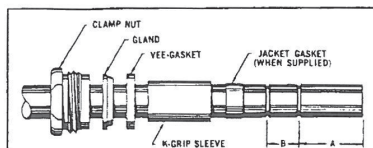


7. Thread assembly into connector and lock securely. Vee gasket must be split by braid clamp.



8. For access type angle connectors, solder center conductor in contact groove. Close access opening.

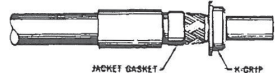
TRIM CODE CHART				
CODE	A	B	C	D
201A	1/2	7/32	.110	7/64
204A	5/8	7/32	.118	7/32
207A	9/16	7/32	.118	5/32
208A	29/32	7/32	.298	7/32
209A	19/32	7/32	.043	5/32
211A	35/64	7/32	.045	7/64
225A	3/8	0	.106	7/64
226A	9/16	3/16	.111	7/64
227A	45/64	3/16	.170	3/32
228A	37/64	3/16	.244	7/64
230A	19/32	7/32	.043	3/16
243A	9/32	0	.053	5/64



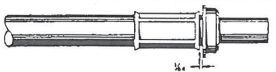
1. Cut cable end square, slide K-GRIP sleeve and back end parts over jacket. Using jacket trim jig, make cuts A and B in jacket.



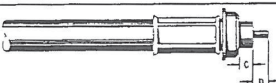
2. Remove jacket to dimension "A." Flare or bulge back braid. Trim with scissors at edge of jacket.



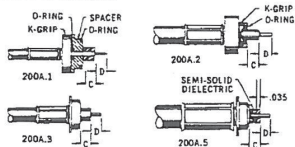
3. Remove jacket to dimension "B." Push K-GRIP over dielectric and under braid. Slide jacket gasket, when provided, forward to position flush with jacket edge. (When the "B" dimension in the trim code is 0, push the K-GRIP under both braid and jacket, butting braid against flange of K-GRIP. Teflon jackets may be slit axially 1/4" in the two places to facilitate entry of the K-GRIP.)



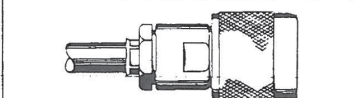
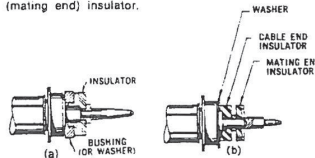
4. Slide K-GRIP sleeve against flange on K-GRIP. Form hex.



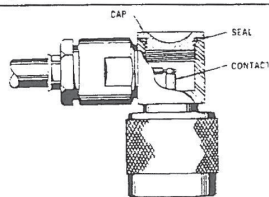
5. With dielectric trim jig, trim dielectric to dimension "C." Cut center conductor to dimension "D." Assemble internal O-ring seals and spacer, when provided, as shown below. When cable positioning insulators are used, adjust trim code dimensions as shown below, and assemble as indicated.



6. Solder or crimp contact to center conductor. For access type angle connectors, omit this step and proceed to step 7.
For captive contacts: (a) assemble bushing and insulator. Attach contact or (b) assemble washer and larger (cable end) insulator. Attach contact. Assemble smaller (mating end) insulator.



7. Thread assembly into connector and lock securely. Vee gasket must be split by braid clamp.

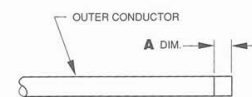


8. For access type angle connectors, solder center conductor in contact groove. Close access opening.

TRIM CODE CHART				
CODE	A	B	C	D
239A	29/32	7/32	.294	9/32

CP-3800

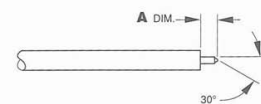
1. Trim cable using indicated trim tool.



A. Cut cable end square and score outer conductor all around to dimension indicated.



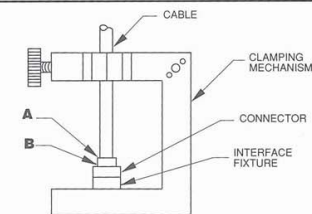
B. Remove jacket to scored mark with pliers. Then remove dielectric to front face of outer conductor making sure surface is square and free of burrs. Do not nick center conductor.



C. File end of center conductor as shown, to approximately 30°.

2. Insert trimmed end of cable into back end of connector, until cable bottoms.

3. Put an interface fixture on the mating end to prevent movement of the interface while soldering.



4. Place cable, connector and interface fixture in a non-destructive clamping mechanism.

5. Set fixture in vertical position shown.

6. Apply a small amount of liquid rosin flux to cable/connector joint (point A).

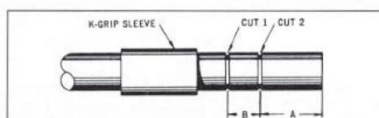
7. Apply heat at point B using resistance type heat tweezers or other similar device that will not leave burn marks or solder residue on the connector body.

8. Apply solder at point A, forming a smooth continuous joint free of voids.

9. Allow to cool.

10. Clean off excess flux using alcohol or a freon based flux cleaner.

TRIM CODE CHART		
CODE	A DIM.	TRIM TOOL
3800-1	.090/.080	KTO-2A
3800-2	.075/.065	KTO-3A



1. Cut cable end square, slide K-GRIP sleeve over jacket and make cuts 1 and 2 in jacket.



2. Remove jackets to dimension "A," flare or bulge back braid and trim with scissors at edge of jacket.



3. Remove jacket to dimension "B."



4. Trim dimension "C." Exposed center conductor length will be equal to dimension "D" of trim code.

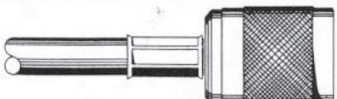


5. Solder or crimp contact to center conductor.

- 5A. For 10 & 20 KV connectors, when Cable Seal Gasket is supplied, place over center conductor and against cable dielectric. Solder contact to center conductor with gasket under compression.

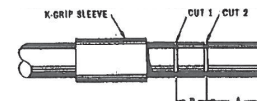


6. Push K-GRIP Jr. over dielectric and under braid until dielectric bottoms in connector. When the "B" dimension in the trim code is 0, the K-GRIP Jr. is pushed under both braid and jacket. Teflon jackets may be slit axially 1/4" in two places to facilitate entry of the K-GRIP. When center contact is undercut captive type, insert cable assembly until insulator detent locks into contact.



7. Slide K-GRIP sleeve against shoulder on body and form hex by crimping.

TRIM CODE CHART				
CODE	A	B	C	D
401	23/64	7/32	.468	7/64
402	11/32	7/32	.375	3/16
403	7/16	7/32	.493	5/32
405	49/64	7/32	.871	7/64
406	9/32	0	.093	3/16
407	11/16	0	.496	3/16
408	45/64	7/32	.809	7/64
409	19/64	3/16	.406	7/64
410	31/32	7/32	.562	5/8
413	21/32	7/32	.717	5/32
414	29/64	7/32	.556	7/64
415	15/32	3/16	.530	5/32
417	41/64	7/32	.743	7/64
418	45/64	7/32	.809	7/64
419	7/8	7/32	.984	7/64
421	15/64	0	.150	5/64
424	11/32	7/32	.450	7/64
426	17/64	7/32	.406	5/64
430	1/2	0	.211	1/4
431	9/16	0	.366	3/16
432	17/64	7/32	.390	3/32
433	5/16	7/32	.375	5/32
435	25/64	7/32	.524	5/64
436	35/64	7/32	.512	1/4
439	7/32	7/32	.345	3/32
440	11/32	7/32	.480	5/64
441	23/32	7/32	.772	5/32
447	1-1/64	7/32	.953	9/32
451	1-5/64	7/32	1.018	9/32
452	1-3/32	7/32	.690	5/8
457	45/64	7/32	.764	5/32
458	5/8	7/32	.671	11/64
459	39/64	7/32	.638	3/16
462	5/16	7/32	.437	3/32
464	15/32	7/32	.493	3/16
465	1/4	11/32	.432	5/32
468	25/64	7/32	.501	3/32
469	1/2	7/32	.580	9/64
470	13/32	7/32	.462	5/32
474	15/16	3/16	.890	15/64
475	1-3/4	3/16	1.627	5/16
477	19/64	9/32	.468	7/64
480	.281	.406	.500	.187
484	1-13/64	7/32	.948	15/64
487	27/64	7/32	.550	3/32
488	45/64	7/32	.316	39/64
489	11/32	11/32	.500	3/16
493	1/4	9/32	.390	.140
498	23/64	7/32	.316	17/64
5401	5/16	9/32	.432	5/32
5402	3/8	5/16	.500	3/16
5403	5/8	5/16	.750	3/16
5406	13/32	9/32	.500	3/16
5407	5/16	1/4	.437	1/8
5416	3/4	0	.560	3/16
5417	19/32	1/4	.703	9/64
5425	5/16	0	.187	1/8
5457	5/16	5/16	15/32	5/32



1. Cut cable end square, slide K-GRIP sleeve over jacket and with jacket trim jig make cuts 1 and 2 in jacket.



2. Remove jackets to dimension "A," flare or bulge back braid and trim with scissors at edge of jacket.



3. Remove jacket to dimension "B."

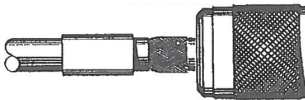


4. Using dielectric trim jig, trim dimension "C." Exposed center conductor length will be equal to dimension "D" of trim code.

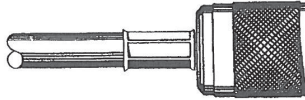


5. Solder or crimp contact to center conductor.

- 5A. For 10 & 20 KV connectors, when Cable Seal Gasket is supplied, place over center conductor and against cable dielectric. Solder contact to center conductor with gasket under compression.

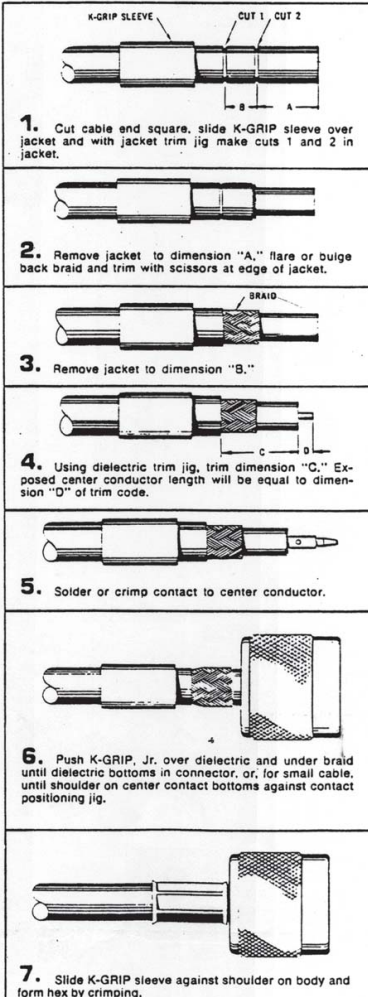


6. Push K-GRIP Jr. over dielectric and under braid until dielectric bottoms in connector. When the "B" dimension in the trim code is 0, the K-GRIP Jr. is pushed under both braid and jacket. Teflon jackets may be slit axially 1/4" in two places to facilitate entry of the K-GRIP. When center contact is undercut captive type, insert cable assembly until insulator detent locks into contact.



7. Slide K-GRIP sleeve against shoulder on body and form hex by crimping.

TRIM CODE CHART				
CODE	A	B	C	D
412	5/8	7/32	.680	5/32



1. Cut cable end square, slide K-GRIP sleeve over jacket and with jacket trim jig make cuts 1 and 2 in jacket.

2. Remove jacket to dimension "A," flare or bulge back braid and trim with scissors at edge of jacket.

3. Remove jacket to dimension "B."

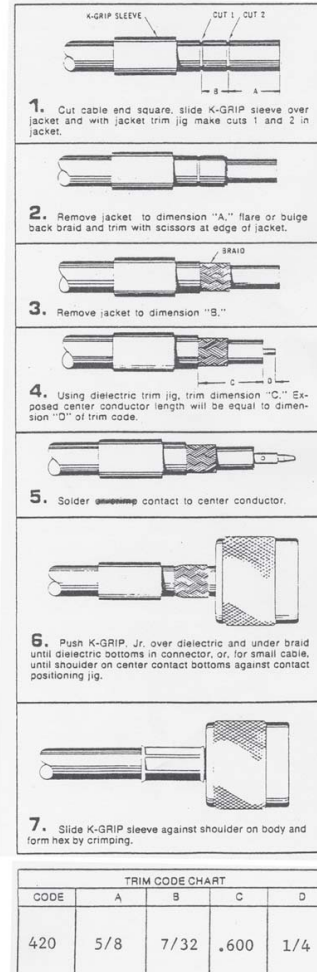
4. Using dielectric trim jig, trim dimension "C." Exposed center conductor length will be equal to dimension "D" of trim code.

5. Solder or crimp contact to center conductor.

6. Push K-GRIP, Jr. over dielectric and under braid until dielectric bottoms in connector, or, for small cable, until shoulder on center contact bottoms against contact positioning jig.

7. Slide K-GRIP sleeve against shoulder on body and form hex by crimping.

TRIM CODE CHART				
CODE	A	B	C	D
416	25/64	7/32	.453	5/32



1. Cut cable end square, slide K-GRIP sleeve over jacket and with jacket trim jig make cuts 1 and 2 in jacket.

2. Remove jacket to dimension "A," flare or bulge back braid and trim with scissors at edge of jacket.

3. Remove jacket to dimension "B."

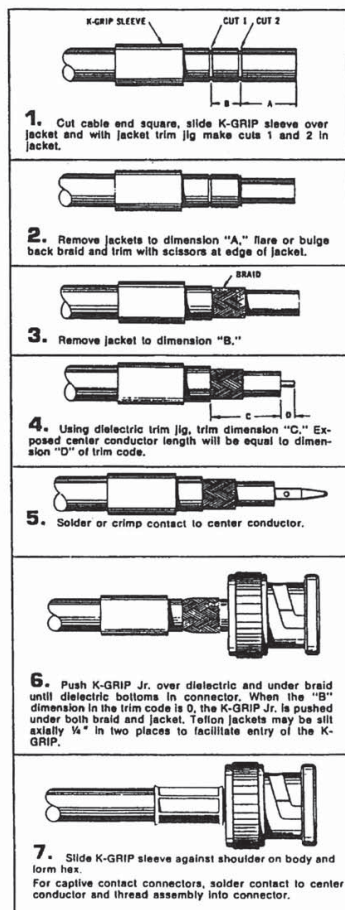
4. Using dielectric trim jig, trim dimension "C." Exposed center conductor length will be equal to dimension "D" of trim code.

5. Solder ~~grip~~ contact to center conductor.

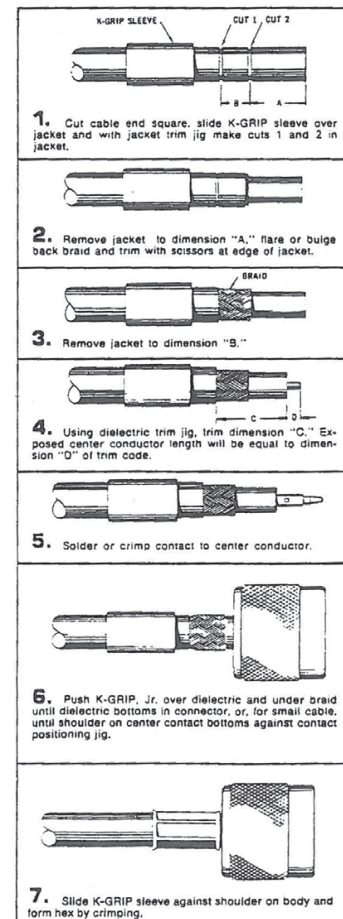
6. Push K-GRIP, Jr. over dielectric and under braid until dielectric bottoms in connector, or, for small cable, until shoulder on center contact bottoms against contact positioning jig.

7. Slide K-GRIP sleeve against shoulder on body and form hex by crimping.

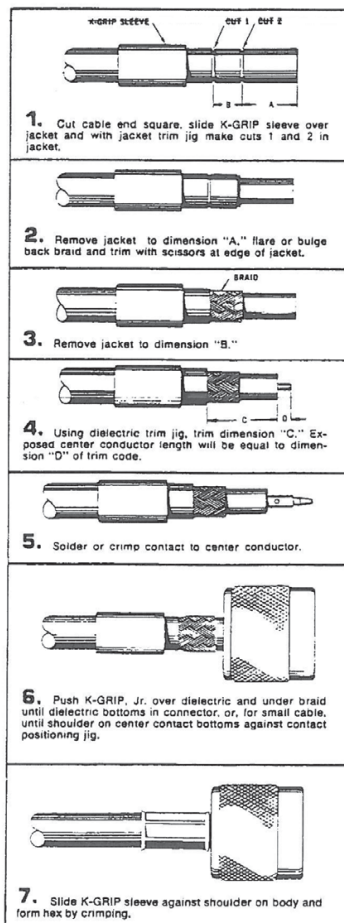
TRIM CODE CHART				
CODE	A	B	C	D
420	5/8	7/32	.600	1/4



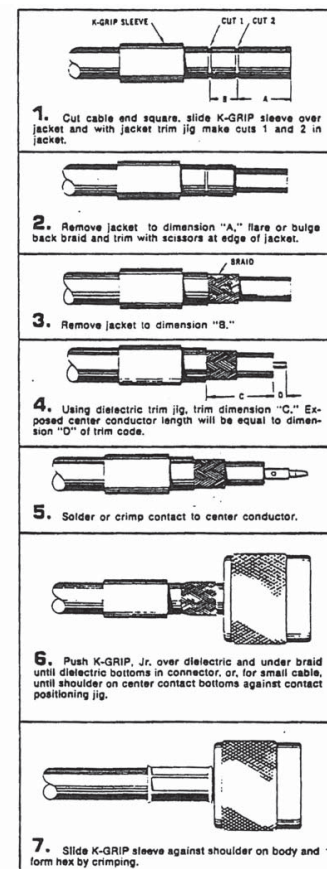
TRIM CODE CHART				
CODE	A	B	C	D
425	19/32	0	.316	9/32



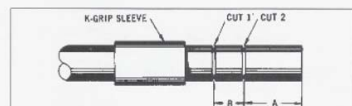
TRIM CODE CHART				
CODE	A	B	C	D
444	7/16	9/32	.500	7/32



TRIM CODE CHART				
CODE	A	B	C	D
460	17/32	7/32	.541	13/64



TRIM CODE CHART				
CODE	A	B	C	D
472	USE	CP-540L		



- 1.** Cut cable end square, slide K-GRIP sleeve over jacket and with jacket trim jig make cuts 1 and 2 in jacket.



- 2.** Remove jackets to dimension "A," flare or bulge back braid and trim with scissors at edge of jacket.



- 3.** Remove jacket to dimension "B."

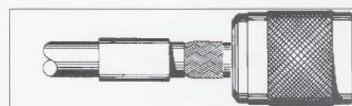


- 4.** Using dielectric trim jig, trim dimension "C." Exposed center conductor length will be equal to dimension "D" of trim code.

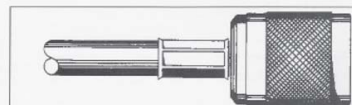


- 5.** Solder or crimp contact to center conductor.

5A. For 10 & 20 KV connectors, when Cable Seal Gasket is supplied, place over center conductor and against cable dielectric. Solder contact to center conductor with gasket under compression.



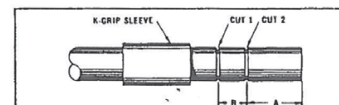
- 6.** Push K-GRIP Jr. over dielectric and under braid until dielectric bottoms in connector. When the "B" dimension in the trim code is 0, the K-GRIP Jr. is pushed under both braid and jacket. Teflon jackets may be slit axially 1/4" in two places to facilitate entry of the K-GRIP. When center contact is undercut captive type, insert cable assembly until insulator detent locks into contact.



- 7.** Slide K-GRIP sleeve against shoulder on body and form hex. For captive contact connectors, solder contact to center conductor and thread assembly into connector.

All Dimensions in Inches

TRIM CODE CHART				
CODE	A	B	C	D
465	1/4	11/32	.432	5/32
489	11/32	11/32	.500	3/16
5401	5/16	9/32	.432	5/32
5402	3/8	5/16	.500	3/16
5406	13/32	9/32	.500	3/16
5450	.400	.313	.525	.188



- 1.** Cut cable end square, slide K-GRIP sleeve over jacket and with jacket trim jig make cuts 1 and 2 in jacket.



- 2.** Remove jackets to dimension "A," flare or bulge back braid and trim with scissors at edge of jacket.



- 3.** Remove jacket to dimension "B."



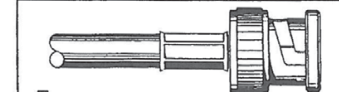
- 4.** Using dielectric trim jig, trim dimension "C." Exposed center conductor length will be equal to dimension "D" of trim code.



- 5.** Solder or crimp contact to center conductor. For captive contact connectors omit this step and proceed to step 6.

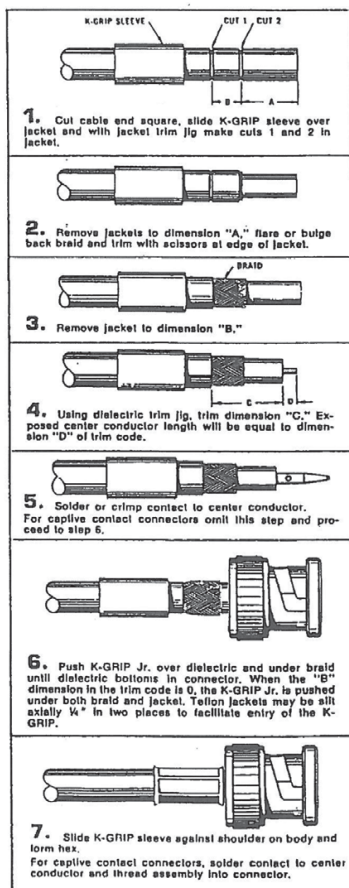


- 6.** Push K-GRIP Jr. over dielectric and under braid until dielectric bottoms in connector. When the "B" dimension in the trim code is 0, the K-GRIP Jr. is pushed under both braid and jacket. Teflon jackets may be slit axially 1/4" in two places to facilitate entry of the K-GRIP.



- 7.** Slide K-GRIP sleeve against shoulder on body and form hex. For captive contact connectors, solder contact to center conductor and thread assembly into connector.

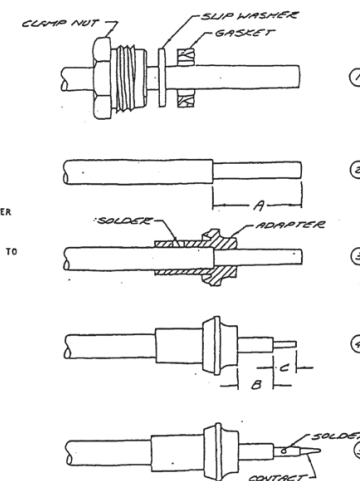
TRIM CODE CHART				
CODE	A	B	C	D
5455	.30	.28	.40	.18

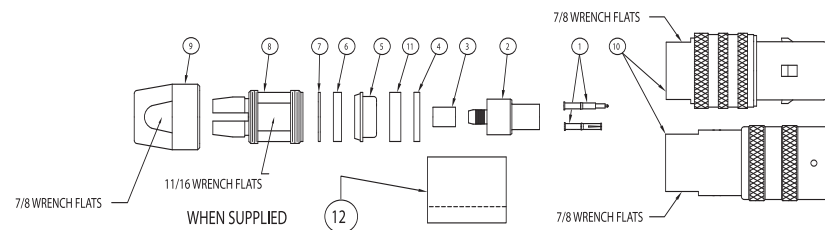
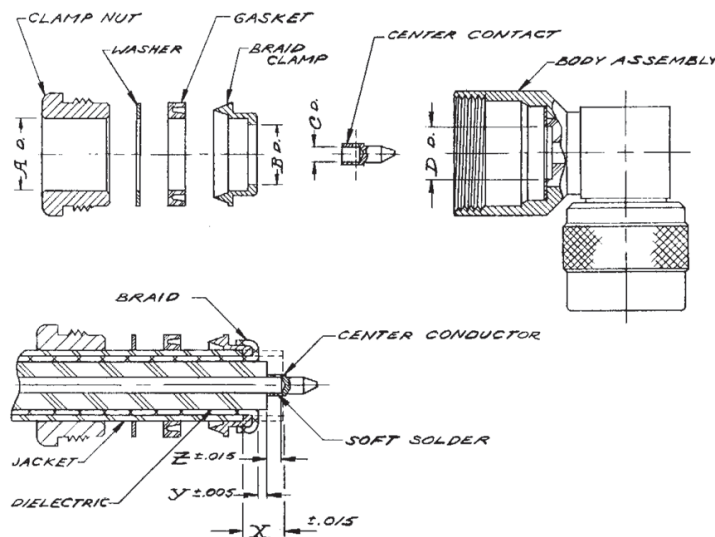


TRIM CODE CHART				
CODE	A	B	C	D
5458	.37	.31	.56	.12

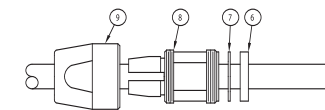
1. CUT CABLE END SQUARE AND SLIDE CLAMP NUT, SLIP WASHER AND GASKET OVER OUTER CONDUCTOR.
2. TRIM OUTER CONDUCTOR TO "A" DIMENSION WITHOUT CUTTING DIELECTRIC.
3. SLIDE ADAPTER OVER CABLE UNTIL ADAPTER BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER TO OUTER CONDUCTOR USING MINIMUM HEAT.
4. TRIM DIELECTRIC TO DIMENSION "B" AND CENTER CONDUCTOR TO DIMENSION "C".
5. SOLDER CONTACT TO CENTER CONDUCTOR.

CODE	A	B	C
.708	.235	.045	.120

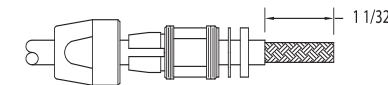




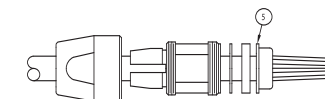
NOTE: CARE MUST BE TAKEN WHEN TRIMMING CABLE THAT THE BRAIDS, INSULATORS AND CONDUCTORS OF THE CABLE ARE NOT NICKED OR DAMAGED.



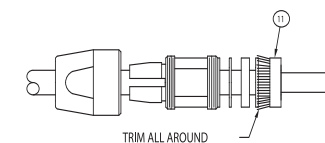
1. CUT CABLE END SQUARE. PLACE NUT (ITEM 9), COLLET (ITEM 8), THIN WASHER (ITEM 7), AND GASKET (ITEM 6) OVER THE JACKET.



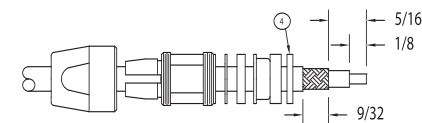
2. REMOVE OUTER JACKET TO 1-1/32" DIMENSION SHOWN.



3. PLACE BRAID CLAMP (ITEM 5) OVER THE OUTER BRAID AND SEAT AGAINST THE OUTER JACKET.



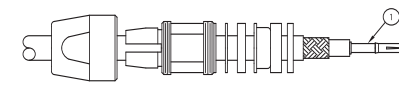
4. FOLD THE OUTER BRAID BACK OVER THE BRAID CLAMP AND PRESS THE OUTER GROUND RING (ITEM 11) OVER THE BRAID AND BRAID CLAMP SO THAT THE OUTER GROUND RING IS FLUSH TO THE EDGE OF THE BRAID CLAMP. TRIM EXCESS BRAID THAT EXTENDS BEYOND THE OUTER DIAMETER OF THE BRAID CLAMP.



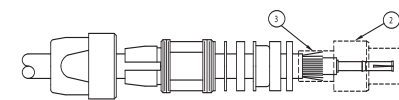
5A. REMOVE INNER JACKET AND INNER BRAID TO 5/16" DIMENSION. REMOVE INNER JACKET AN ADDITIONAL 9/32". DO NOT NICK BRAID.

B. REMOVE INNER DIELECTRIC TO 1/8" DIMENSION TO EXPOSE INNER CONDUCTOR. DO NOT NICK OR UNRAVEL CENTER CONDUCTOR.

C. PLACE THICK WASHER (ITEM 4) AGAINST RING.



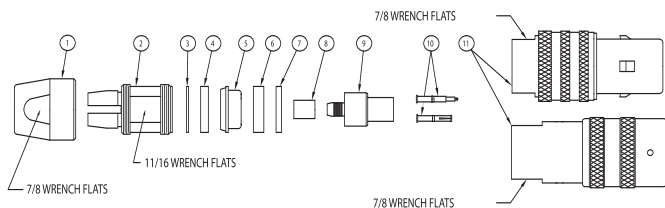
6. PLACE THE MALE OR FEMALE CONNECTOR CONTACT (ITEM 1) OVER THE CENTER CONDUCTOR OF THE CABLE AND BUTT IT AGAINST THE CORE. CRIMP OR SOLDER THE CONTACT TO THE CORE.



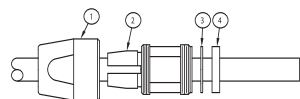
PLACE CRIMP SLEEVE (ITEM 3) OVER INNER BRAID OF THE CABLE. SLIDE BODY ASSEMBLY (ITEM 2) OVER THE CORE (INNER DIELECTRIC) AND UNDER THE INNER BRAID UNTIL THE CONTACT BOTTOMS IN THE CONNECTOR. (NOTE: CAUTION MUST BE EXERCISED TO NOT ALLOW ANY OF THE BRAID TO REMAIN INSIDE THE CONNECTOR ASSEMBLY. ALL BRAID MUST BE ON THE OUTSIDE OF THE BODY.) SLIDE THE CRIMP SLEEVE OVER BODY AND BRAID TO WITHIN 1/64" OF THE BODY SHOULDER. CRIMP THE SLEEVE.

SLIDE CONNECTOR INTO MAIN CONNECTOR BODY (ITEM 10). TIGHTEN COLLET TO BODY WITH A MINIMUM OF 80 INCH POUNDS OF TORQUE. IT IS RECOMMENDED NOT TO EXCEED 125 INCH POUNDS OF TORQUE. LOCK CLAMP NUT TO COLLET TO PREVENT ROTATION OF CABLE WITHIN THE CONNECTOR.

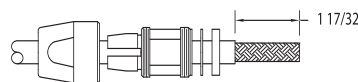
*"U" SPACER, ITEM 12, IS SUPPLIED ONLY WITH SMALL CABLE CONNECTORS. IT IS PLACED OVER ITEM 3 AFTER CRIMPING AND BEFORE THREADING CABLE ASSEMBLY INTO BODY.



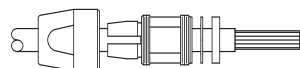
NOTE: CARE MUST BE TAKEN WHEN TRIMMING CABLE THAT THE BRAIDS, INSULATORS AND CONDUCTORS OF THE CABLE ARE NOT NICKED OR DAMAGED.



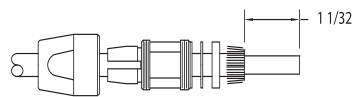
1. CUT CABLE END SQUARE. PLACE NUT (ITEM 1), COLLET (ITEM 2), THIN WASHER (ITEM 3), AND GASKET (ITEM 4) OVER THE JACKET.



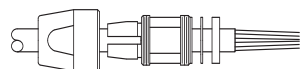
2. REMOVE OUTER JACKET TO 1-17/32" DIMENSION SHOWN.



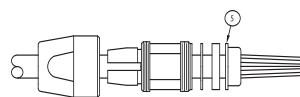
3. COMB OUT BRAID AS SHOWN.



4. FOLD BRAID BACK AND TRIM CABLE BACK 1/2".

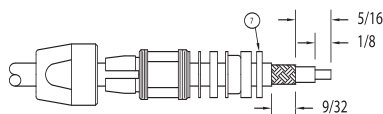


5. COMB OUT BRAID AGAIN AND FORM END AS SHOWN.

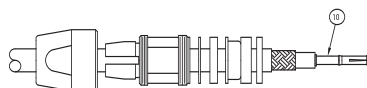


6. PLACE BRAID CLAMP (ITEM 5) OVER THE OUTER BRAID AND SEAT AGAINST THE OUTER JACKET.

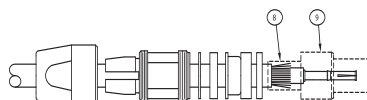
7. FOLD THE OUTER BRAID BACK OVER THE BRAID CLAMP, AND PRESS THE OUTER GROUND RING (ITEM 6) OVER THE BRAID AND BRAID CLAMP SO THAT THE OUTER GROUND RING IS FLUSH TO THE EDGE OF THE BRAID CLAMP. TRIM EXCESS BRAID THAT EXTENDS BEYOND THE OUTER DIAMETER OF THE BRAID CLAMP.



8A. REMOVE INNER JACKET AND INNER BRAID TO 5/16" DIMENSION. REMOVE INNER JACKET AN ADDITIONAL 9/32". DO NOT NICK BRAID.
B. REMOVE INNER DIELECTRIC TO 1/8" DIMENSION TO EXPOSE INNER CONDUCTOR. DO NOT NICK OR UNRAVEL CENTER CONDUCTOR.
C. PLACE THICK WASHER (ITEM 7) AGAINST GROUND RING.

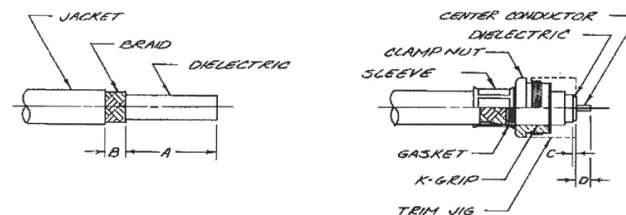


9. PLACE THE MALE OR FEMALE CONNECTOR CONTACT (ITEM 10) OVER THE CENTER CONDUCTOR OF THE CABLE AND BUTT IT AGAINST THE CORE. CRIMP OR SOLDER THE CONTACT TO THE CORE.



10. PLACE CRIMP SLEEVE (ITEM 8) OVER INNER BRAID OF THE CABLE. SLIDE BODY ASSEMBLY (ITEM 9) OVER THE CORE (INNER DIELECTRIC) AND UNDER THE INNER BRAID UNTIL THE CONTACT BOTTOMS IN THE CONNECTOR. (NOTE: CAUTION MUST BE EXERCISED NOT TO ALLOW ANY OF THE BRAID TO REMAIN INSIDE THE CONNECTOR ASSEMBLY. ALL BRAID MUST BE ON THE OUTSIDE OF THE BODY.) SLIDE THE CRIMP SLEEVE OVER BODY AND BRAID TO WITHIN 1/64" OF THE BODY SHOULDER. CRIMP THE SLEEVE.

SLIDE CONNECTOR INTO MAIN CONNECTOR BODY (ITEM 11). TIGHTEN COLLET TO BODY WITH A MINIMUM OF 80 INCH POUNDS OF TORQUE. IT IS RECOMMENDED NOT TO EXCEED 125 INCH POUNDS OF TORQUE. LOCK CLAMP NUT TO COLLET TO PREVENT ROTATION OF CABLE WITHIN THE CONNECTOR.



1. Cut cable and square and slide K-grip sleeve over jacket.
2. Cut through jacket and braid to dimension A, leaving out jacket and braid in place until step 3 below. This may be conveniently done with a B-T stripper which will cut cleanly through both jacket and braid. When cutting through braid avoid tangling strand ends.
3. Remove jacket to dimension B, without nicking braid. Remove braid cut to dimension A in step 2, above.
4. Flare out braid slightly to permit slotted end of K-grip to enter between dielectric and braid. Flaring tool S-89-24-5 may be used for this operation.
5. Assemble K-grip gasket and clamp nut on K-grip.
6. Push K-grip over dielectric and under braid as far as it will go.
7. Slide K-grip sleeve forward over braid and K-grip gasket up to small shoulder on K-grip. Place assembly in K-grip forming tool centering sleeve between die halves and form hex.
8. Assemble dielectric trim jig to clamp nut, remove dielectric flush with jig and trim center conductor in usual manner.
9. Solder or crimp center contact to center conductor. Remove dielectric trim jig. Place connector gasket and braid clamp on K-grip. Then insert assembly into connector body and lock securely by clamp nut.

CABLE TRIM CODE

CODE	A	B	C	D
I	1 3/32	1/4	.043	3/16
II	1 5/32	1/4	.066	3/16
III	1 1/16	1/4	.087	1/32
IV	1 1/8	1/4	.093	5/32
V	1 3/32	1/4	.333	5/32
VI	1 5/32	1/4	.088	1/8
VII	1 5/16	1/4	.437	23/32

CABLE REFERENCE TABLE

CONNECTING INNOVATION TO APPLICATION



Cable Design	Armor O.D. Max	Jacket O.D. Max	Braid O.D. Max	Dielectric O.D. Max	Center Conductor Stranding	Conductor O.D. Nom	Nominal Impedance Ohms	Max Freq. GHz	Max Power Watts at 400 MHz	M17/ Replacement	Notes
RG58/U		0.335	.260 D	0.185	Solid	0.051	50			73-RG212	
RG6A/U		0.336	.264 D	0.189	Solid	0.029	75			2-RG6	
RG8A/U		0.415	.340 S	0.295	7/AWG21	0.086	52			74-RG213	
RG9B/U		0.43	.355 D	0.285	7/AWG21	0.086	50			75-RG214	
RG10A/U	0.475	0.415	.340 S	0.295	7/AWG21	0.086	52			74-RG215	
RG11A/U		0.412	.340 S	0.292	7/AWG26	0.048	75			6-RG11	
RG12A/U	0.475	0.412	.340 S	0.292	7/.0159	0.048	75			6-RG12	
RG13A/U		0.43	.355 D	0.29	7/AWG26	0.048	74			77-RG216	
RG14A/U		0.558	.463 D	0.383	Solid	0.102	52			78-RG217	
RG17/U		0.885	.760 S	0.695	Solid	0.188	52			79-RG218	
RG17A/U		0.885	.760 S	0.695	Solid	0.188	52			79-RG218	
RG18/U	0.945	0.885	.760 S	0.695	Solid	0.188	52			79-RG219	
RG18A/U	0.945	0.885	.760 S	0.695	Solid	0.188	52			79-RG219	
RG19/U		1.135	.760 S	0.695	Solid	0.188	52			81-00001	
RG19A/U		1.135	.990 S	0.925	Solid	0.25	52			81-00001	
RG20/U	1.195	1.135	.990 S	0.925	Solid	0.25	52			81-00002	
RG20A/U	1.195	1.135	.990 S	0.925	Solid	0.25	52			81-00002	
RG21/U		0.339	.264 D	0.192	Solid	0.051	53			162-00001	
RG21A/U		0.339	.264 D	0.192	Solid	0.051	53			162-00001	
RG22B/U		0.43	.355 D	0.291	7/.0152	0.046	95	200 MHz		15-RG22	Twin
RG55A/U		0.216	.171 D	0.116	Solid	0.035	50			84-RG223	
RG55B/U		0.206	.176 D	0.121	Solid	0.032	53.5			84-RG223	
RG58/U		0.199		0.12	Solid	0.032	53.5			28-RG58	
RG58A/U		0.199		0.12	19/AWG33	0.038	52			28-RG58	
RG58B/U		0.199		0.12	Solid	0.032	53.5			28-RG58	
RG58C/U		0.199	.150 S	0.12	19/AWG33	0.038	50			28-RG58	
RG59/U		0.242	.191 S	0.15	Solid		73			29-RG59	
RG59A/U		0.242	.191 S	0.15	Solid	0.023	73			29-RG59	
RG59B/U		0.246	.191 S	0.15	Solid	0.023	75			29-RG59	
RG62/U		0.249	.191 S	0.151	Solid	0.025	93			30-RG62	
RG62A/U		0.249	.191 S	0.151	Solid	0.025	93			30-RG62	
RG62B/U		0.249	.191 S	0.151	7/AWG32	0.025	93			30-RG62	
RG63B/U		0.415	.340 S	0.295	Solid	0.025	125			31-RG63	
RG71B/U		0.25	.208 D	0.151	Solid	0.025	93			90-RG71	
RG82/U		0.757		0.675	Solid	0.125	50				
RG108A/U		0.245	.177 S (Nom)	0.082	7/AWG28		78			45-RG108	Twin
RG114/U		0.415	.340 S	0.295	Solid	0.007	185			47-RG114	
RG114A/U		0.415	.340 S	0.295	Solid	0.007	185			47-RG114	
RG115/U		0.385	.320 D	0.255	7/.028		50			168-00001	
RG115A/U		0.43	.325 D	0.26	7/AWG21	0.086	50			168-00001	
RG117/U		0.745	.670 S	0.625	Solid	0.188	50			72-RG211	

CABLE REFERENCE TABLE

CABLE REFERENCE TABLE

Cable Design	Armor O.D. Max	Jacket O.D. Max	Braid O.D. Max	Dielectric O.D. Max	Center Conductor Stranding	Conductor O.D. Nom	Nominal Impedance Ohms	Max Freq. GHz	Max Power Watts at 400 MHz	M17/ Replacement	Notes
RG117A/U		0.745	.670 S	0.625	Solid	0.188	50			72-RG211	
RG118/U	0.795	0.745	.670 S	0.625	Solid	0.188	50			161-00002	
RG118A/U	0.795	0.745	.670 S	0.625	Solid	0.188	50			161-00002	
RG122/U		0.165	.126 S	0.099	27/AWG36	0.03	50			54-RG122	
RG141/U		0.195	0.146	0.121	Solid	0.036	50			111-RG303	
RG141A/U		0.195	.146 S	0.121	Solid	0.039	50			111-RG303	
RG142A/U		0.206	.171 D	0.121	Solid	0.039	50			60-RG142	
RG142B/U		0.2	.171 D	0.121	Solid	0.039	50			60-RG142	
RG143/U		0.332	0.25	0.19	Solid	0.057	50			112-RG304	
RG143A/U		0.332	.250 D	0.19	Solid	0.059	50			112-RG304	
RG174/U		0.105	.088 S	0.063	7/AWG34	0.02	50			119-RG174	
RG174A/U		0.105	.088 S	0.063	7/AWG34	0.02	50			119-RG174	
RG178B/U		0.075	.054 S	0.036	7/AWG38	0.012	50			93-RG178	
RG179B/U		0.105	.084 S	0.066	7/AWG38	0.012	75			94-RG179	
RG180B/U		0.145	.124 S	0.105	7/AWG38	0.012	95			95-RG180	
RG187A/U		0.11	.084 S	0.066	7/AWG38	0.012	75			136-00001	
RG188A/U		0.11	.081 S	0.063	7/.0067	0.02	50			138-00001	
RG189/U		0.875		0.632	Solid	0.251	50				Helix, (Nom Dims.)
RG195/U		0.155	.124 S	0.105	7/.004	0.012	95			137-00001	
RG195A/U		0.155	.124 S	0.105	7/AWG38	0.012	95			137-00001	
RG196/U		0.08	.054 S	0.036	7/.004	0.012	50			93-00001	
RG196A/U		0.08	.054 S	0.036	7/AWG38	0.012	50				
RG210/U		0.25	.191 S	0.151	Solid	0.025	93			97-RG210	
RG211A/U		0.745	.670 S	0.625	Solid	0.19	50			72-RG211	
RG212/U		0.336	.265 D	0.189	Solid	0.056	50			73-RG212	
RG213/U		0.412	.340 S	0.292	7/.0296	0.089	50			74-RG213	
RG214/U		0.432	.360 D	0.292	7/.0296	0.089	50			75-RG214	
RG215/U	0.475	0.412	.340 S	0.292	7/.0296	0.089	50			74-RG215	
RG216/U		0.432	.360 D	0.292	7/AWG26	0.048	75			77-RG216	
RG217/U		0.555	.463 D	0.38	Solid	0.106	50			78-RG217	
RG218/U		0.88	.760 S	0.69	Solid	0.195	50			79-RG218	
RG219/U	0.945	0.88	.760 S	0.69	Solid	0.195	50			79-RG219	
RG220/U		1.135	.990 S	0.925	Solid	0.26	50			81-00001	
RG221/U	1.195	1.135	.990 S	0.925	Solid	0.26	50			81-00002	
RG222/U		0.336	.264 D	0.189	Solid	0.056	50			162-00001	
RG223/U		0.216	.176 D	0.12	Solid	0.035	50			84-RG223	
RG224/U	0.615	0.555	.463 D	0.38	Solid	0.106	50			165-00002	
RG225/U		0.44	.360 D	0.29	7/.031	0.094	50			127-RG393	
RG228/U	0.795	0.745	.670 S	0.625	Solid	0.19	50			161-00002	
RG228A/U	0.795	0.745	.670 S	0.625	Solid	0.19	50			161-00002	
RG301/U		0.25	.215 S	0.19	7/.0203	0.0609	50			109-RG301	

KINGS® CABLE GROUPS

CONNECTING INNOVATION TO APPLICATION®



KINGS® CABLE GROUPS

Cable Group	Cable Type	Cable PN
A	Military Approved	M17/93-00001 RG-178 RG-178A RG-178B RG-196 RG-196A
B1	Military Approved	M17/138-00001 RG-174 RG-188 RG-188A RG-316
B2	Military Approved	M17/136-00001 RG-179 RG-179A RG-179B RG-187 RG-187A
C1	Military Approved	RG-122
C2	Military Approved	M17/137-00001 RG-180 RG-180A RG-180B RG-195 RG-195A
C3	Belden Essex	8218 21-597
D	Military Approved Military Approved Military Approved Military Approved Military Approved Belden Belden Belden	RG-141 RG-141A RG-303 RG-58* RG-58A* RG-58C* 8259 8262 9201
E1	Military Approved	RG-142 RG-142A RG-223 RG-400 RG-55A
E2	Military Approved	RG-142B RG-55* RG-55B*
G1	Military Approved	RG-210 RG-59 RG-59A RG-59B RG-62 RG-62A RG-62B RG-62C"
G2	Military Approved	RG-71 RG-71A RG-71B
H	Military Approved	RG-302
K1	Military Approved	M17/162-00001 RG-21 RG-212 RG-21A RG-5 RG-5A RG-5B
K2	Military Approved	RG-6 RG-6A

Cable Group	Cable Type	Cable PN
K3	Military Approved	M17/162-00001 RG-143 RG-143A RG-212 RG-222 RG-304
L	Military Approved	M17/168-00001 RG-115A
M1	Military Approved	RG-213 RG-8 RG-8A
M2	Military Approved	RG-11 RG-11A
N1	Military Approved	RG-214 RG-9 RG-9A RG-9B
N2	Military Approved	RG-13A RG-216
N3	Military Approved	RG-225 RG-393
P	Military Approved	RG-108 RG-393
Q	Belden WE	8281 24
R	Military Approved	M17/165-00002 RG-14 RG-14A RG-217RG-224**
T	Military Approved	RG-17A RG-218 RG-219**
U	Military Approved	RG-10** RG-12** RG-215**
V	Times Military Approved Military Approved	TRF-58 M17/134-00001 M17/134-00003
W	Military Approved	M17/176-00002
X	Military Approved	RG-405
Y	Military Approved	RG-401
Z	Raytheon Military Approved	11464213 RG-307
I	Times Military Approved Military Approved Military Approved	AA6343 RG-142 RG-223 RG-400
2	ITT Military Approved	BA6903 RG-214
3	Military Approved	M17/152-00001 RD-316
4	Military Approved	RG-393
5	Times	AA 2831 FEP 226
6	Times	AA 5885
7	Times	AA 5886
8	Times	AA 5887
9	Times	AA 5888

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Cable Group	Cable Type	Cable PN
10	Times	AA 5889
11	McDonnell Douglas	BXS 7004-502-06090
12	ECS Raychem ITT	311201 5012H3012 BA 20048
13	Teledyne Thermatics	13784
14	Teledyne Thermatics	13850
15	Boeing Boeing Adams Russell	BMS 13-65 Type 0E S280WS03-1 FC11Z
16	Boeing Boeing Adams Russell	BMS 13-65 Type 0F S280WS03-2 FC14Z
17	Boeing Boeing Adams Russell	BMS 13-65 Type 0G S280WS03-3 FC20Z
18	Boeing Boeing Adams Russell	BMS 13-65 Type 0H S280WS03-4 FC28Z
19	Boeing Boeing Adams Russell	BMS 13-65 Type 0J S280WS03-5 FC38Z
20	Boeing Boeing Adams Russell	BMS 13-65 Type 0K S280WS03-6 FC48Z
21	Boeing Adams Russell	HS5965-2 FC09Z
22	Andrew Andrew Andrew	FHJ2-50A FSJ4-50B FSJ4RN-50B
23A	Belden Belden	1279P 1279R
23B	Belden	179DT
24	Belden Belden GepCo	1505A 9259 VPM2000
25	Belden GepCo	1694A VSD2001
26	Belden GepCo	1855A VDM230
27	Belden Belden Belden Belden Belden	8279 8279A 9209 9209A 9244
28	Military Approved	M17/179-20001
29	Military Approved	D3-7619-5/338
30	Telecommunications	734
31	Telecommunications	735
40	LASL Type	C-9Y19503
41	Belden	YR49220
42	Dielectric Science	2075
43	Gore Gore Raychem Raychem Raychem	GSC-12-2548 GSC-12-2549 10-613 10-614 2524E0114

Cable Group	Cable Type	Cable PN
44	Raychem	5026N5611
45	ITT ITT Times	BA 13077A BA 14349 MI 5406
46	Essex	21-204
47	Raychem ITT	752405011 BA 6416A
48	Semi Rigid	0.86
49	Semi Rigid	0.141 RG-402"
50	Semi Rigid	0.085 RG-405
51	Semi Rigid	0.047"
52	Dielectric Science	RD 178
70	Belden West Penn/CDT West Penn/CDT GepCo GepCo	8233 3811 1150 VT6181PE VT61811
73	Belden Belden Belden GepCo GepCo	1856A 1857A 9267 LVT61859 VT61859
74	Belden GepCo	9232 LVT61811
76	Belden Belden West Penn/CDT	8232 8232A 3815
78	Belden	88232
79	Belden West Penn/CDT GepCo	1859A 253811 VT61811TK
80	Belden	7784AS
81	Belden Belden Belden Belden Belden Belden Belden GepCo Times	7731A 7732A 8213 8231 8238 8261 9011 9292 VHD1100 LMR 400-75
82	Times	LMR 100
83	Times	LMR 195
84	Times	LMR 200
85	Times	LMR 300
86	Times	LMR 400
87	Times	LMR 500
88	Times	LMR 600
89	Times	LMR 240
90	Times	

AMPLIFIER

A device used to increase the operating level of an input signal. Used in a cable system's distribution plant to compensate for the effects of attenuation caused by coaxial cable and passive device losses.

ANSI

American National Standards Institute

ATTENUATION

The difference between transmitted and received power due to loss from lines, electronic components, or other transmission devices; usually expressed in decibels (dB).

BODY

Main or largest portion of a connector to which other components are attached.

BRAID

Weave of metal fibers used as a shield covering for an insulated conductor or a group of insulated conductors.

BULKHEAD

Term used to define a mounting style of connectors. Bulkhead connectors are designed to be inserted into a panel cutout from the front or the rear of the panel, and typically secured with a jam nut.

COAXIAL CABLE

Cable composed of an insulated central conducting wire, wrapped in another cylindrical conducting wire or braid. Coax cable has great capacity to carry high speed data typically used in Cable TV, connecting computers and central office switching.

CONTACT

Electrically conductive component designed for use in a multi-circuit connector.

CONTACT ENGAGING and SEPARATING FORCE

Force required to either engage or separate contacts.

CONTACT RESISTANCE

Measurement of electrical resistance of mated contacts when assembled in a connector under typical service use.

DECIBEL (dB)

A unit of measurement which expresses the ratio of two power levels on a logarithmic scale. It is used in cable systems to specify losses, k gains, and other ratios of power. The decibel is one-tenth of a Bel.

FCC

Federal Communications Commission

IMPEDANCE

Resistance to the flow of AC current. In telecommunications and broadcast systems, the characteristic impedance is 75 ohms. If all cable and devices are equal to the characteristic impedance, maximum signal will be transferred with little or no reflection.

IMPEDANCE MISMATCH

A situation that results when two components are connected, each having a different characteristic impedance. This generally results in adverse attenuation and return loss.

INSERTION LOSS

That property between the input and output of a device causing a predictable signal loss.

INTERMODULATION

Beats and harmonics creating interference due to the mixing of more than one carrier in an amplifying device. Usually to non-linear.

ISO

International Standards Organization

MATCHED IMPEDANCE

Coupling of two components or systems in such a way that the impedance of one system equals the impedance of the other system.

NEBS

National Equipment Building Systems

OHM's LAW

The relationship between voltage, current, and resistance in an electronic circuit. The third quantity can be found if two are known.

PASSIVE DEVICE

A device used in a cable system not requiring electrical power to operate. It normally represents loss to signals passing through it. Examples of passive devices are splitters, directional couplers, pads, and equalizers.

RETURN LOSS

The value (in decibels) of the ratio of the power or voltage loss between the forward (transmitted) wave and the reflected wave, as a result of impedance mismatch.

RETURN PATH

The band of frequencies used to return signals to the cable head-end either as control data or for redistribution on the forward path.

RF

Abbreviation for "radio frequency." Typically between 300KHz through 3GHz.

RG/U

(R—radio frequency, G—government approval number, U—universal specification). Symbol for Government specified coaxial cable.

VSWR

Abbreviation for Voltage Standing Wave Ratio, a measure of return loss of a transmission circuit.

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M39012/01-0005	KN-59-176	N Series	36	M39012/16-0015	755-115-5	50 Ohm BNC Series	7
M39012/01-0015	1205-37-5	N Series	36	M39012/16-0016	755-116-5	50 Ohm BNC Series	7
M39012/01-0017	1205-68-5	N Series	38	M39012/16-0017	755-117-5	50 Ohm BNC Series	7
M39012/01-0018	1205-69-5	N Series	38	M39012/16-0020	755-118-5	50 Ohm BNC Series	7
M39012/01-0101	KN-59-294	N Series	36	M39012/16-0101	KC-59-544	50 Ohm BNC Series	6
M39012/01-0104	KN-59-295	N Series	36	M39012/16-0101	755-74-5	50 Ohm BNC Series	6
M39012/01-0125	KN-59-296	N Series	36	M39012/16-0102	KC-59-545	50 Ohm BNC Series	6
M39012/01-0501	KN-59-239	N Series	38	M39012/16-0118	KC-59-548	50 Ohm BNC Series	6
M39012/01-0502	KN-59-202	N Series	38	M39012/16-0220	755-86-5	50 Ohm BNC Series	6
M39012/01-0503	KN-59-242	N Series	38	M39012/16-0501	755-119-5	50 Ohm BNC Series	7
M39012/01-0504	1205-19-5	N Series	38	M39012/16-0502	755-120-5	50 Ohm BNC Series	7
M39012/02-0003	KN-39-68	N Series	33	M39012/16-0503	755-121-5	50 Ohm BNC Series	7
M39012/02-0006	1201-9-5	N Series	34	M39012/16-0504	755-122-5	50 Ohm BNC Series	7
M39012/02-0006	KN-19-110	N Series	34	M39012/16B0004	KC-59-61	50 Ohm BNC Series	6
M39012/02-0131	KN-39-102	N Series	33	M39012/16B0004	KC-59-195	50 Ohm BNC Series	7
M39012/02-0501	KN-39-83	N Series	33	M39012/16B0007	KC-59-188	50 Ohm BNC Series	6
M39012/02-0503	KN-39-86	N Series	33	M39012/16B0008	KC-59-220	50 Ohm BNC Series	7
M39012/02-0513	KN-19-148	N Series	35	M39012/16B0009	KC-59-111	50 Ohm BNC Series	6
M39012/03-0012	KN-19-114	N Series	33	M39012/17-0014	KC-39-93	50 Ohm BNC Series	10
M39012/03-0501	KN-19-149	N Series	34	M39012/17-0020	KC-39-98	50 Ohm BNC Series	10
M39012/03-0502	KN-19-150	N Series	34	M39012/17-0101	KC-39-03	50 Ohm BNC Series	11
M39012/03-0503	KN-19-151	N Series	34	M39012/17-0502	KC-39-105	50 Ohm BNC Series	10
M39012/03-0504	1202-2-5	N Series	34	M39012/17-0503	KC-39-106	50 Ohm BNC Series	10
M39012/04-0001	KN-79-69	N Series	39	M39012/17-0504	KC-39-103	50 Ohm BNC Series	10
M39012/04-0002	KN-79-70	N Series	39	M39012/18-0102	KC-19-02	50 Ohm BNC Series	10
M39012/05-0101	KN-59-298	N Series	36	M39012/18-0502	KC-19-244	50 Ohm BNC Series	10
M39012/05-0501	KN-59-243	N Series	37	M39012/18-0503	KC-19-245	50 Ohm BNC Series	10
M39012/05-0502	KN-59-244	N Series	37	M39012/18B0007	KC-19-129	50 Ohm BNC Series	10
M39012/05-0503	KN-59-245	N Series	37	M39012/19-0013	KC-19-207	50 Ohm BNC Series	9
M39012/05-0504	1206-5-5	N Series	37	M39012/19-0014	KC-19-208	50 Ohm BNC Series	9
M39012/06-0002	KD-59-119	C Series	22	M39012/19-0020	KC-19-212	50 Ohm BNC Series	9
M39012/06-0003	KD-59-133	C Series	22	M39012/19-0101	KC-19-282	50 Ohm BNC Series	9
M39012/06-0014	795-10-5	C Series	22	M39012/19-0220	752-34-5	50 Ohm BNC Series	9
M39012/06-0015	795-9-5	C Series	22	M39012/19-0502	KC-19-248	50 Ohm BNC Series	9
M39012/08-0001	KD-19-72	C Series	23	M39012/19-0503	KC-19-249	50 Ohm BNC Series	9
M39012/09-0002	KD-19-65	C Series	23	M39012/19-0504	KC-19-250	50 Ohm BNC Series	9
M39012/10-0001	KD-59-134	C Series	21	M39012/19B0003	KC-19-50	50 Ohm BNC Series	9
M39012/11-0001	KD-19-61	C Series	23	M39012/20-0006	756-21-7	50 Ohm BNC Series	8
M39012/11-0002	KD-19-73	C Series	23	M39012/20-0007	756-19-7	50 Ohm BNC Series	8
M39012/12-0001	KD-79-14	C Series	23	M39012/20-0101	KC-59-533	50 Ohm BNC Series	8
M39012/12B-0001	754-21-5	50 Ohm BNC Series	13	M39012/20-0101	756-9-5	50 Ohm BNC Series	8
M39012/13-0001	KD-79-13	C Series	23	M39012/20-0102	756-12-5	50 Ohm BNC Series	8
M39012/15-0001	KD-59-135	C Series	22	M39012/20-0501	KC-59-408	50 Ohm BNC Series	8
M39012/15-0002	KD-59-130	C Series	22	M39012/20-0502	KC-59-418	50 Ohm BNC Series	8
M39012/16-0001	KD-59-132	C Series	22	M39012/20-0503	KC-59-419	50 Ohm BNC Series	8
M39012/16-0013	755-114-5	50 Ohm BNC Series	7	M39012/20-0504	KC-59-420	50 Ohm BNC Series	8
M39012/16-0014	755-112-5	50 Ohm BNC Series	7	M39012/20B0003	KC-59-246	50 Ohm BNC Series	8

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M39012/21-0002	KC-79-106	50 Ohm BNC Series	13	M39012/28-0504	KA-19-153	TNC Series	68
M39012/22-0001	KC-79-109	50 Ohm BNC Series	12	M39012/29-0014	KA-19-110	TNC Series	69
M39012/23-0001	KC-79-110	50 Ohm BNC Series	13	M39012/29-0018	KA-19-181	TNC Series	67
M39012/23-0002	KC-79-111	50 Ohm BNC Series	13	M39012/29-0022	KA-19-214	TNC Series	69
M39012/24-0001	KC-79-107	50 Ohm BNC Series	13	M39012/29-0101	KA-19-176	TNC Series	67
M39012/24-0002	KC-79-108	50 Ohm BNC Series	13	M39012/29-0502	KA-19-155	TNC Series	69
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M39012/25-0006	KC-89-87	50 Ohm BNC Series	11	M39012/29-0504	KA-19-157	TNC Series	69
M39012/25-0007	KC-89-88	50 Ohm BNC Series	11	M39012/30-0010	KA-59-235	TNC Series	72
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M39012/25-0011	KN-89-30	N Series	41	M39012/30-0012	KA-59-237	TNC Series	72
M39012/25-0012	KN-89-31	N Series	41	M39012/30-0022	126-8-5	TNC Series	72
M39012/25-0015	KC-89-92	50 Ohm BNC Series	11	M39012/30-0101	KA-59-343	TNC Series	73
M39012/25-0016	KC-89-93	50 Ohm BNC Series	11	M39012/30-0101	126-55-5	TNC Series	73
M39012/25-0018	KA-81-02	TNC Series	80	M39012/30-0102	126-54-5	TNC Series	73
M39012/25-0020	KA-81-01	TNC Series	80	M39012/30-0118	KA-59-348	TNC Series	73
M39012/25-0021	KA-89-82	TNC Series	80	M39012/30-0502	KA-59-295	TNC Series	72
M39012/25-0106	758-8-5	50 Ohm BNC Series	11	M39012/30-0503	KA-59-296	TNC Series	72
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M39012/26-0010	KA-59-231	TNC Series	77	M39012/31-0002	KA-71-08	TNC Series	78
M39012/26-0011	KA-59-230	TNC Series	77	M39012/32-0001	KA-79-39	TNC Series	78
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M39012/26-0022	125-19-5	TNC Series	77	M39012/55-3009	875-82-17	SMA Series	49
M39012/26-0101	KA-59-22	TNC Series	73	M39012/55-3109	875-82-3	SMA Series	49
M39012/26-0101	125-67-5	TNC Series	73	M39012/55-3130	875-86-3	SMA Series	49
M39012/26-0102	KA-59-18	TNC Series	73	M39012/55-3502	875-21-17	SMA Series	58
M39012/26-0501	KA-59-290	TNC Series	77	M39012/55-3602	875-21-3	SMA Series	58
M39012/26-0502	KA-59-291	TNC Series	77	M39012/55-4502	875-21-18	SMA Series	58
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M39012/26-0504	KA-59-287	TNC Series	77	M39012/55B3114	875-1-3	SMA Series	58
M39012/27-0101	KA-39-87	TNC Series	67	M39012/55B3116	875-3-3	SMA Series	58
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M39012/28-0011	KA-19-102	TNC Series	68	M39012/56-3130	876-62-3	SMA Series	49
M39012/28-0018	122-32-5	TNC Series	68	M39012/56B3114	873-1-3	SMA Series	51
M39012/28-0018	KA-19-171	TNC Series	68	M39012/57-3502	873-18-3	SMA Series	51
M39012/28-0021	KA-19-146	TNC Series	68	M39012/57-4502	873-18	SMA Series	51
M39012/28-0022	122-3-5	TNC Series	68	M39012/58B4012	871-13	SMA Series	51
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M49142/05-0004	1992-9-5	TRB Series	83
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M49142/09-0006	1942-7-5	TRT Series	85
M49142/10-0001	1944-3-5	TRT Series	85
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NOTES



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