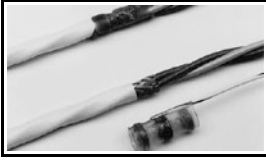


SO63-3-55-22-90 Product Details

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SO63-3-55-22-90

TE Internal Number:
621836-000

 **Active**

Shield Terminators

Not EU RoHS or ELV Compliant

Product Highlights:

- Shield Terminator
- Terminator Type = Solder Sleeve
- Fluid Resistance = Immersion
- Cable Temperature Rating = 125 °C
- Jacket Outer Diameter = 4.30 mm

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [Solder Sleeve Device with Pre-installed Lead Immersio... \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Type = Shield Terminator
- Preinstalled Lead Wire Size (mm² [AWG]) = 0.38 [22]
- Preinstalled Lead Type = 55A0111
- Preinstalled Lead Stranding = Stranded

Dimensions:

- Length (Max.) (mm [in]) = 18.25 [0.720]
- Inside Diameter (mm [in]) = 4.30 [0.170]

Body Features:

- Terminator Type = Solder Sleeve
- [Jacket Outer Diameter \(mm \[in\]\)](#) = 4.30 [0.169]
- Preinstalled Lead Plating = Tin

Housing Features:

- [Shield O.D. \(Min.\) \(mm \[in\]\)](#) = 2.15 [0.085]

Configuration Features:

- [Preinstalled Lead](#) = With
- Temperature Indication System = With
- Temperature Indication System Type = BiAlloy

Industry Standards:

- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- MIL or NAS Specification (MIL-S-83519) (NAS 1747) = No

Environmental:

- Fluid Resistance = Immersion
- Operating Temperature (Max.) (°C) = 150

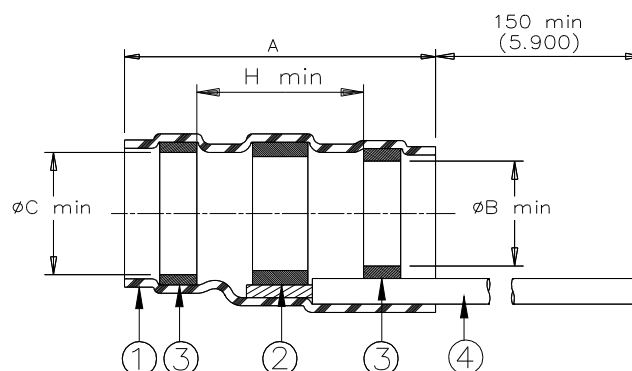
Conditions for Usage:

- [Cable Temperature Rating \(°C\)](#) = 125

Other:

- Brand = Raychem

SPECIFICATION CONTROL DRAWING



Product Revision		Ident. Code	Product Dimensions				Cable Dimensions				
Product Name			A±1.75 (A±0.07)	øB min	øC min	H min	øE max	øF min	øG min	øD max	J±0.5 (J±0.02)
SO63-1-55-GA-CL	*	SO631R	16.5 (0.650)	1.90 (0.075)	2.65 (0.105)	8.25 (0.325)	2.65 (0.105)	0.90 (0.035)	0.50 (0.020)	1.90 (0.075)	7.5 (0.295)
SO63-2-55-GA-CL	*	SO632R	16.5 (0.650)	2.65 (0.105)	3.68 (0.145)	8.25 (0.325)	3.68 (0.145)	1.40 (0.055)	0.75 (0.030)	2.65 (0.105)	7.5 (0.295)
SO63-3-55-GA-CL	*	SO633R	16.5 (0.650)	4.30 (0.170)	5.08 (0.200)	8.25 (0.325)	5.08 (0.200)	2.15 (0.085)	1.25 (0.050)	4.30 (0.170)	7.5 (0.295)
SO63-4-55-GA-CL	*	SO634R	19.1 (0.750)	5.95 (0.235)	6.45 (0.255)	8.25 (0.325)	6.45 (0.255)	3.30 (0.130)	1.80 (0.070)	5.95 (0.235)	7.5 (0.295)
SO63-5-55-GA-CL	*	SO635R	19.1 (0.750)	7.00 (0.275)	7.6 (0.300)	8.25 (0.325)	7.6 (0.300)	4.30 (0.170)	2.50 (0.100)	7.00 (0.275)	7.5 (0.295)

* Consult Raychem for individual product revision. Contains more than 1 part name.

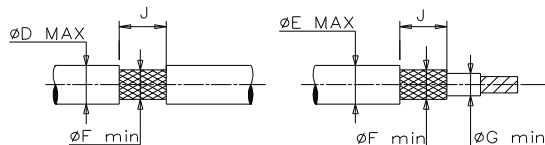
MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:
SOLDER: TYPE Sn63 per ANSI-J-STD-006.
FLUX: TYPE ROL1 per ANSI-J-STD-004.
THERMAL INDICATOR: Fusible ring, melt point: 221°C.
- MELTABLE RING: Environment resistant thermoplastic. Color:blue.
- GROUND LEAD: MIL-W-22759/32-GA-CL. See part number guide for gauge and color information.

APPLICATION

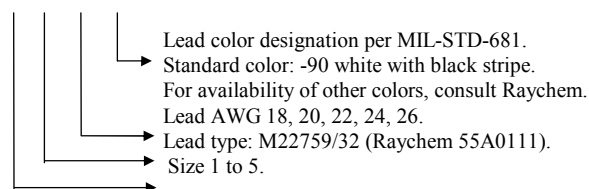
- These parts will provide a shield termination assembly which will meet the requirements of MIL-S-83519/2 when installed in accordance with Raychem RCPS-100-70 on cables rated for at least 125°C, meeting the dimensional criteria listed, having tin or silver plated shields. See M83519 or consult Raychem for compatible insulation material.
- Temperature rating: -55°C to +150°C.

For best results, prepare the cable as shown:



Parts shall be noted with identification code per table.
"G" is the minimum diameter on which the sleeve will seal.

Part Number Guide:
SO63-A-55-GA-CL



* A trademark of TE Connectivity.

		TE Connectivity 300 Constitutional Drive Menlo Park, CA 94025 USA		RAYCHEM		TITLE: SOLDERSLEEVE* DEVICE WITH PRE-INSTALLED LEAD IMMERSION RESISTANT						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS.						DOCUMENT NO.: SO63-A-55-GA-CL						
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A		ANGLES: N/A ROUGHNESS IN MICRON		TE Connectivity reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.		DATE: 16-Apr-11			DOC ISSUE: 8			
DRAWN BY: M. FORONDA		CAGE CODE: 06090		REPLACES: D981087		DCR NUMBER: D981962		PROD. REV.: SEE TABLE		SCALE: None	SIZE: A	SHEET: 1 of 1

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