



ORDERING CODE: **ND9-BCAX-XXB**

SERIES, IX INDUSTRIAL
I/O APPLICATIONS

TYPE B KEY

CABLE

PLUG ON ONE END

PLATING FOR MATING AREA

1 = GOLD FLASH

2 = 0.2 µm (8µ") GOLD

4 = 1.27µm (50µ") GOLD

7 = 0.76µm (30µ") PALLADIUM NICKEL WITH

GOLD FLASH

10 WIRE CABLE

CABLE LENGTHS (DIMENSION 'A')	
10 TO 99	LENGTH IN CM
A0 TO A9	1 METER + 0 TO 9 DECIMETERS
B0 TO B9	2 METERS + 0 TO 9 DECIMETERS
C0 TO C9	3 METERS + 0 TO 9 DECIMETERS
D0 TO D9	4 METERS + 0 TO 9 DECIMETERS
E0 TO E9	5 METERS + 0 TO 9 DECIMETERS
F0 TO F9	6 METERS + 0 TO 9 DECIMETERS
G0 TO G9	7 METERS + 0 TO 9 DECIMETERS
H0 TO H9	8 METERS + 0 TO 9 DECIMETERS
J0 TO J9	9 METERS + 0 TO 9 DECIMETERS
K0 TO K9	10 METERS + 0 TO 9 METERS
L0 TO L9	20 METERS + 0 TO 9 METERS
M0 TO M9	30 METERS + 0 TO 9 DECAMETERS

CABLE LENGTH ORDERING CODE EXAMPLES:
75cm = 75 6.3m = F3 25m = L5 80m = M5

NOTES:

- MATERIAL: RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
 - SHIELD: STAINLESS STEEL, NICKEL PLATED
 - INSERTS & PLUG COVER: HIGH TEMPERATURE RESISTANT ENGINEERING THERMOPLASTIC, UL94V-0, BLACK
 - CONTACTS: COPPER ALLOY PLATED WITH GOLD OR PALLADIUM-NICKEL (SEE ORDERING CODE) OVER 1.27µm (50µ") MINIMUM NICKEL ON THE MATING AREA
 - CABLE: COPPER CONDUCTOR 26 AWG, 7 STRANDS, INSULATION DIA 0.95 TO 1.05mm (.037 TO .041"), METAL FOIL WRAPPED TWISTED PAIRS, OVERALL TIN PLATED BRAID, PVC JACKET DIA 6.3 TO 7.2mm (.244 TO .283")
- DESIGNED TO CONFORM TO REQUIREMENTS OF IEC 61076 PART 3-124 SPECIFICATION. THE TYPE B KEY FEATURE SHOWN IS INTENDED FOR NON ETHERNET I/O APPLICATIONS
- CURRENT RATING: 1.5 AMPERES, VOLTAGE RATING: 50V AC rms OR 60V DC
- OPERATING TEMPERATURE -40° TO +80°C.
- DIELECTRIC WITHSTANDING VOLTAGE: 500V DC
- INSULATION RESISTANCE: 500 MEGOHMS MINIMUM.
- MATING & UNMATING FORCE: 25N (5.6 lbf) MAXIMUM.



CONNECTOR PIN ASSIGNMENT	
POSITION NUMBER	WIRE COLOUR (DIN 47100)
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GREY
6	PINK
7	BLUE
8	RED
9	BLACK
10	VIOLET

NOTE:
TWISTED PAIRS FOR POSTIONS
1/2, 3/4, 5/6, 7/8 & 9/10

UNLESS SPECIFIED OTHERWISE	DRAWN	I.NELSON	JUN24/20
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	JUN24/20
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14838	
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES			

Amphenol Canada Corp. Commercial Products	
IX INDUSTRIAL I/O CABLE, TYPE B PLUG ON ONE END, VARIOUS LENGTHS, RoHS COMPLIANT	
DWG. NO.	REV
P-ND9-BCAX-XXB	A
CODE ID NO. 03554	DWG SIZE: X
SCALE: 4:1	SHEET 1 OF 1