



ORDERING CODE: ND9-ACBX-XXG

SERIES, IX INDUSTRIAL ETHERNET

TYPE A KEY FOR ETHERNET

CABLE

PLUG ON BOTH ENDS

PLATING FOR IX MATING AREA

- 1 = GOLD FLASH
- 2 = 0.20µm (8µ") GOLD
- 3 = 0.76µm (30µ") GOLD
- 4 = 1.27µm (50µ") GOLD
- 7 = 0.76µm (30µ") PALLADIUM NICKEL WITH GOLD FLASH

8 WIRE, LOW SMOKE, ZERO HALOGEN CABLE

CABLE LENGTHS (DIMENSION 'A')	
	LENGTH IN CM
20 TO 99	
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: 4 TWISTED PAIRS, 26 AWG WIRES, METAL WRAPPED, OVERALL BRAID & LOW SMOKE ZERO HALOGEN (LSZH).
- DESIGNED TO CONFORM TO REQUIREMENTS OF IEC 61076 PART 3-124 SPECIFICATION. THE TYPE A KEY FEATURE SHOWN IS INTENDED FOR USE WITH ETHERNET APPLICATIONS, EITHER 10/100 Mbit/S OR 1 TO 10 Gbit/S (CAT 5e, 6 & 6A).
- 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	PIN ASSIGNMENT 10 OR 100 Mbit/S ETHERNET	PIN ASSIGNMENT 1, 2, 5, 5 OR 10 Gbit/S ETHERNET	WIRE COLOUR (TIA/EIA 568B)
1	TX +	BI_DA +	WHITE/ORANGE
2	TX -	BI_DA -	ORANGE
3	NOT USED	-	-
4	NOT USED	BI_DC +	BLUE
5	NOT USED	BI_DC -	WHITE/BLUE
6	RX +	BI_DB +	WHITE/GREEN
7	RX -	BI_DB -	GREEN
8	NOT USED	-	-
9	NOT USED	BI_DD +	WHITE/BROWN
10	NOT USED	BI_DD -	BROWN

NOTE:
CONTACTS #3 & #8 ARE NOT CONNECTED AT EITHER END. TWISTED PAIRS FOR POSITIONS 1/2, 4/5, 6/7 & 9/10.

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UNLESS SPECIFIED OTHERWISE	DRAWN	B. COPPING	DEC6/23
PRIMARY UNITS MILLIMETRES	CHECKED	K. LAMBIE	DEC6/23
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 15381	
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES			

Amphenol Canada Corp.
Commercial Products

IX INDUSTRIAL ETHERNET CABLE, TYPE A PLUG TO PLUG, VARIOUS LENGTHS, LOW SMOKE ZERO HALOGEN CABLE, RoHS COMPLIANT

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CODE ID NO. 03554 DWG SIZE: X SCALE: 4:1 SHEET 1 OF 1