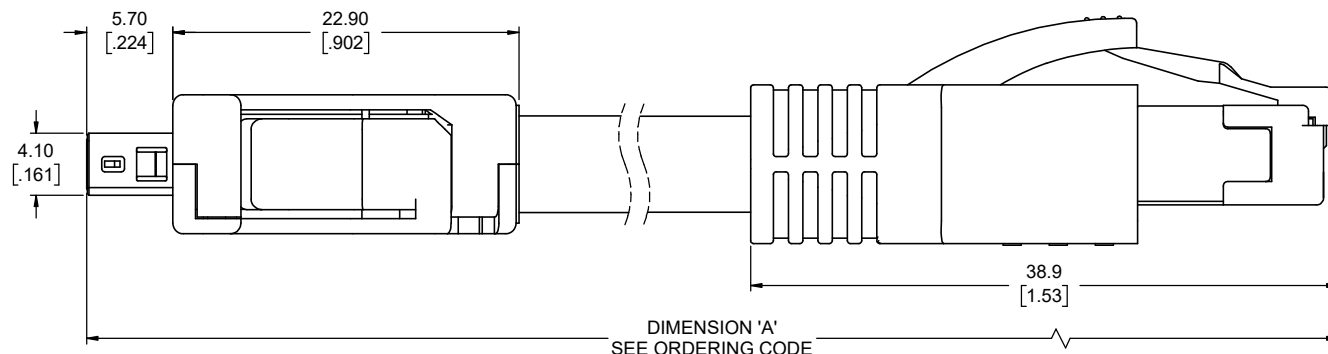
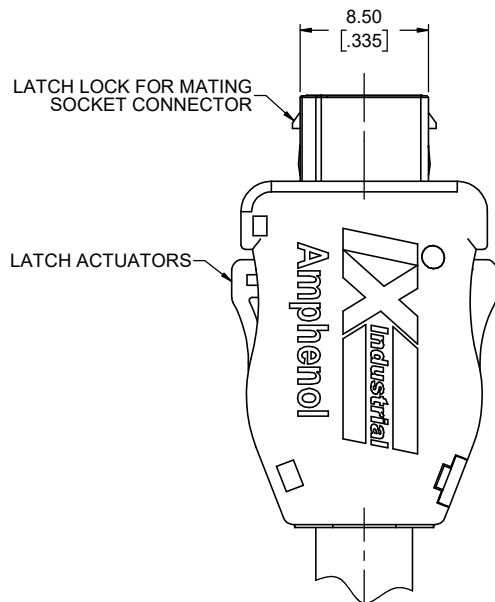
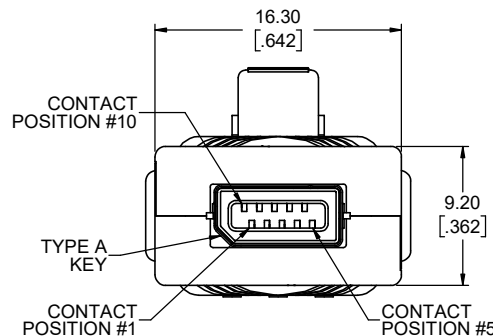




ORDERING CODE: ND 9 - ACCX - XX A

SERIES, IX INDUSTRIAL
ETHERNET

TYPE A KEY FOR ETHERNET

CABLE

ND9 PLUG ON ONE END,
RJ45 PLUG ON OTHER END

PLATING FOR IX MATING AREA

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

CABLE LENGTH
ORDERING CODE
EXAMPLES:
75cm = F5
6.3m = F3
25m = L5
80m = M5

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

NOTES:

- MATERIAL: RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
 - SHIELD: STAINLESS STEEL, NICKEL PLATED
 - INSERTS & PLUG COVER: ENGINEERING THERMOPLASTIC, UL94V-0, RJ45 HOUSING: CLEAR POLYCARBONATE
 - CONTACTS: COPPER ALLOY PLATED WITH GOLD OR PALLADIUM-NICKEL (SEE ORDERING CODE) OVER 1.27µm (50µ") MINIMUM NICKEL ON THE MATING AREA. RJ45 CONTACTS: 0.38µm (15µ") GOLD OVER NICKEL (FOR IX PLATING CODES 1 & 2) OR 1.27µm (50µ") GOLD OVER NICKEL (FOR IX PLATING CODES 4 & 7).
 - WIRE: PVC INSULATED 26 AWG COPPER, METAL WRAPPED PAIRS & OVERALL BRAID
- 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				
ND9 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)	RJ45 POSITION NUMBER
1	TX +	BI_DA +	WHITE/ORANGE	1
2	TX -	BI_DA -	ORANGE	2
3	NOT USED	-	-	-
4	NOT USED	BI_DC +	BLUE	4
5	NOT USED	BI_DC -	WHITE/BLUE	5
6	RX +	BI_DB +	WHITE/GREEN	3
7	RX -	BI_DB -	GREEN	6
8	NOT USED	-	-	-
9	NOT USED	BI_DD +	WHITE/BROWN	7
10	NOT USED	BI_DD -	BROWN	8

NOTE:
ND9 CONTACTS #3 & #8 ARE NOT CONNECTED TWISTED PAIRS FOR ND9 POSITIONS 1/2, 4/5, 6/7 & 9/10.

UNLESS SPECIFIED OTHERWISE	DRAWN	B.COPPING	JUL9/19
PRIMARY UNITS MILLIMETERS	CHECKED	K.LAMBIE	JUL9/19
SECONDARY UNITS INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	O.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.	EAR 14720	
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

Amphenol Canada Corp.
Commercial Products

IX INDUSTRIAL ETHERNET CABLE, TYPE A
PLUG TO RJ45 PLUG, VARIOUS LENGTHS,
RoHS COMPLIANT

DWG. NO.	P-ND9-ACCX-XXA	REV	C
CODE ID NO. 03554	DWG SIZE: X	SCALE: 4:1	SHEET 1 OF 1