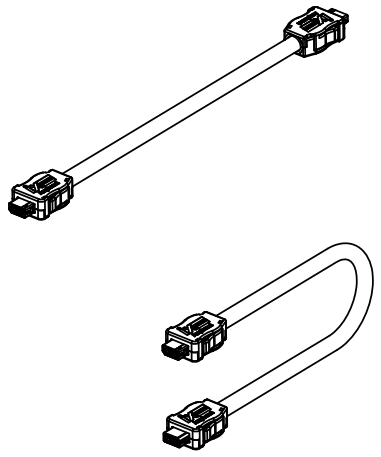
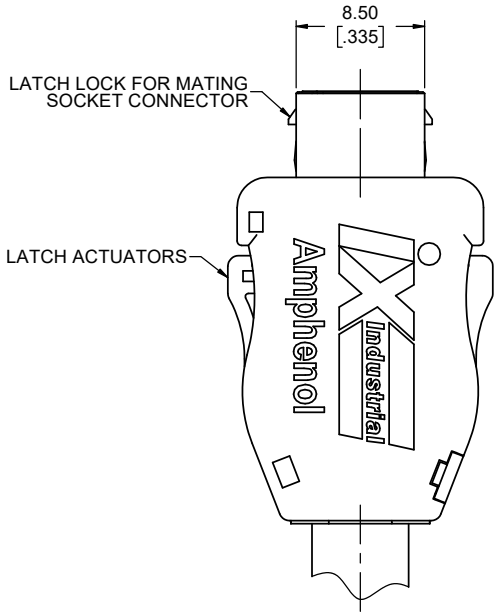
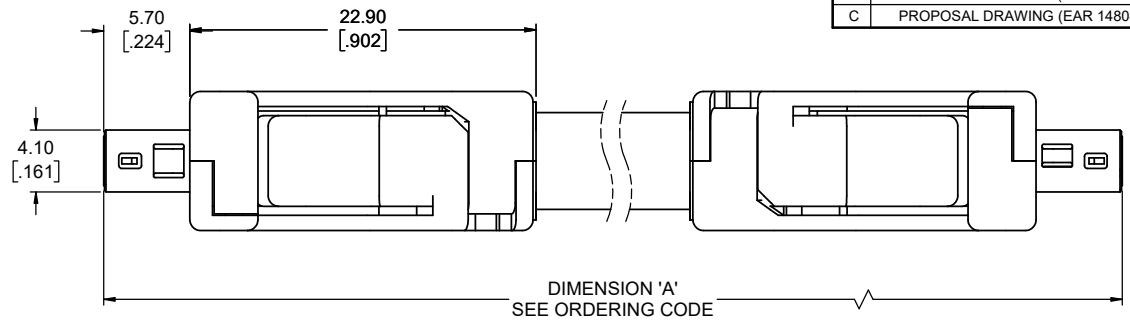
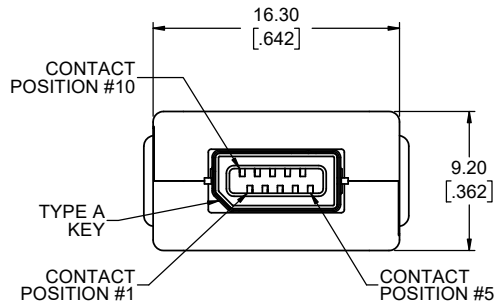


| REVISIONS | | | |
|-----------|------------------------------|----------|-------|
| REV | DESCRIPTION, ECN, EAR NO. | DATE | APP'D |
| B | PROPOSAL DRAWING (EAR 14720) | JUL9/19 | K.L. |
| C | PROPOSAL DRAWING (EAR 14804) | FEB27/20 | K.L. |



ORDERING CODE: ND9 - ACBX - XXA

SERIES, IX INDUSTRIAL ETHERNET
 TYPE A KEY FOR ETHERNET
 CABLE ——— 8 WIRE CABLE
 PLUG ON BOTH ENDS
 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 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
 - 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 | | | |
|--------------------------|--|--|----------------------------|
| 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.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

| | | | |
|----------------------------|------------------------|-----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN | B.COPPING | MAR21/19 |
| PRIMARY UNITS MILLIMETERS | CHECKED | K.LAMBIE | MAR21/19 |
| SECONDARY UNITS INCHES | M.E. APP'D | | |
| REFERENCE IN PARENTHESES | Q.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 PLUG, VARIOUS LENGTHS, RoHS COMPLIANT

DWG. NO. **P-ND9-ACBX-XXA** REV **C**

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