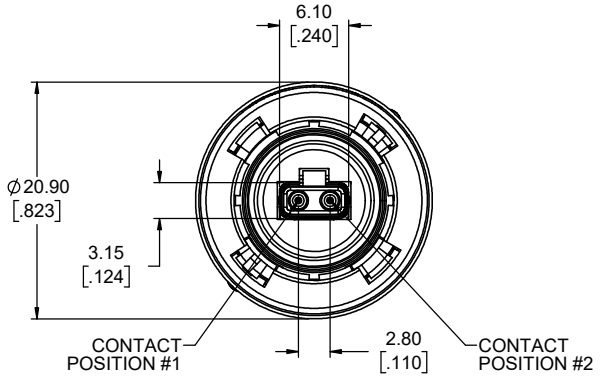
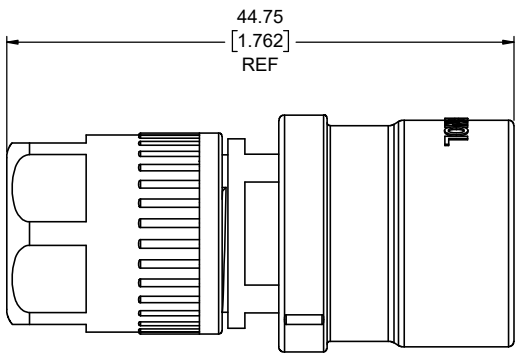


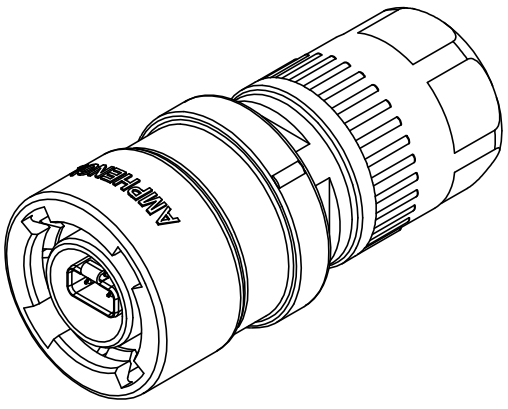
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PRODUCT DRAWING (EAR 15028)	DEC03/21	K.L.



ASSEMBLED PLUG VIEWS
SEE FOLLOWING SHEET FOR COMPONENTS



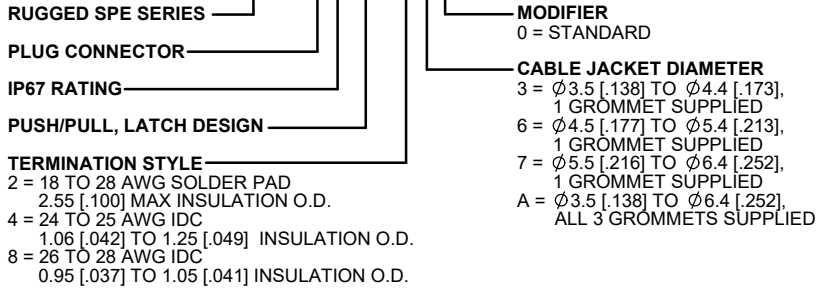
CONTACT POSITION	SIGNAL PER IEC 63171-6
1	BI_DA+
2	BI_DA-



NOTES:

- MATERIALS:** ALL MATERIALS ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.
 - HOUSING, CAP, GLAND, & INSERTS: ENGINEERING THERMOPLASTIC, UL94V-0 FLAMMABILITY RATING, COLOUR: BLACK
 - IDC WIRE GUIDE: POLYCARBONATE, UL94V-0 FLAMMABILITY RATING, COLOUR: YELLOW FOR 24-25 AWG SIZE OR CLEAR FOR 26-28 AWG SIZE IDC
 - EMI SHIELD: STAINLESS STEEL PLATED WITH NICKEL
 - CONTACTS: COPPER ALLOY PLATED WITH NICKEL OVERALL, 0.76µm (30µ") GOLD ON THE MATING AREA AND GOLD FLASH ON THE TAILS
 - O-RING & GROMMET: SILICONE RUBBER, COLOUR: BLACK
 - RETAINING RING & WAVE SPRING: STAINLESS STEEL, PASSIVATED
- DESIGNED IN ACCORDANCE WITH IEC STANDARDS 63171-6 & 61076-2-010. COMPATIBLE WITH:**
 - IEEE 802.3cg, 10BASE-T1L & -T1S
 - IEEE 802.3bw, 100BASE-T1
 - IEEE 802.3bp, 1000BASE-T1
 - IEEE 802.3bu, POWER OVER DATA LINES (PoDL)
- ENVIRONMENTAL CHARACTERISTICS:**
 - OPERATING TEMPERATURE: -40°C TO +85°C
 - IP67 RATED PERFORMANCE PER IEC 60529, IN MATED CONDITION.
- ELECTRICAL CHARACTERISTICS:**
 - CURRENT RATING: 4A
 - VOLTAGE RATING: 60VDC
 - CONTACT RESISTANCE: 20mΩ MAX
 - DIELECTRIC WITHSTANDING VOLTAGE:
 - 1000VDC CONTACT TO CONTACT
 - 2250VDC CONTACT TO SHIELD

ORDERING CODE: M S P E - P 6 P 2 - X X 0



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UNLESS SPECIFIED OTHERWISE	DRAWN	R.DAMICO	SEPT1/21
PRIMARY UNITS MILLIMETRES	CHECKED	K.LAMBIE	DEC03/21
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 15028	
2 DECIMAL PLACES	REF.		
3 DECIMAL PLACES	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	DO NOT SCALE DRAWING		

Amphenol Canada Corp.
Commercial Products

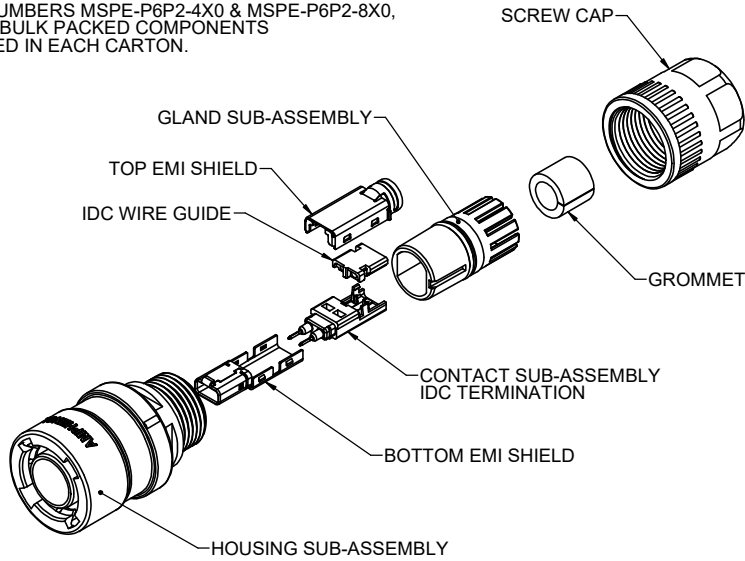
MSPE SERIES, SINGLE PAIR ETHERNET, IP67 PLUG, PUSH/PULL, TERMINATION OPTIONS, RoHS COMPLIANT

DWG. NO. **P-MSPE-P6P2-XX0** REV **A**

CODE ID NO. 03554 DWG SIZE: X SCALE: 3:1 SHEET 1 OF 3

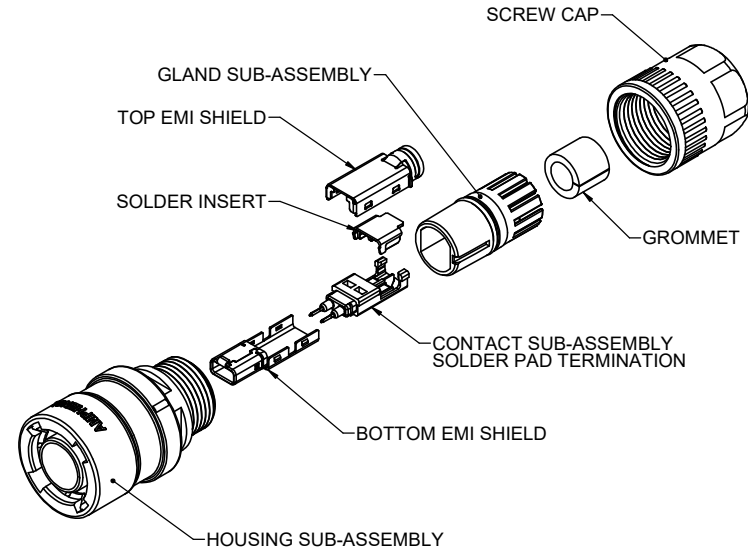
IDC TERMINATION

PLUG COMPONENTS SUPPLIED FOR PART NUMBERS MSPE-P6P2-4X0 & MSPE-P6P2-8X0, TRAY & BULK PACKED COMPONENTS SUPPLIED IN EACH CARTON.



SOLDER PAD TERMINATION

PLUG COMPONENTS SUPPLIED FOR PART NUMBER MSPE-P6P2-2X0, TRAY & BULK PACKED COMPONENTS SUPPLIED IN EACH CARTON.



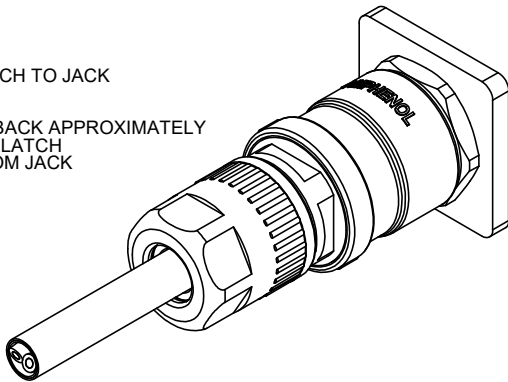
PUSH / PULL FUNCTION

MATING

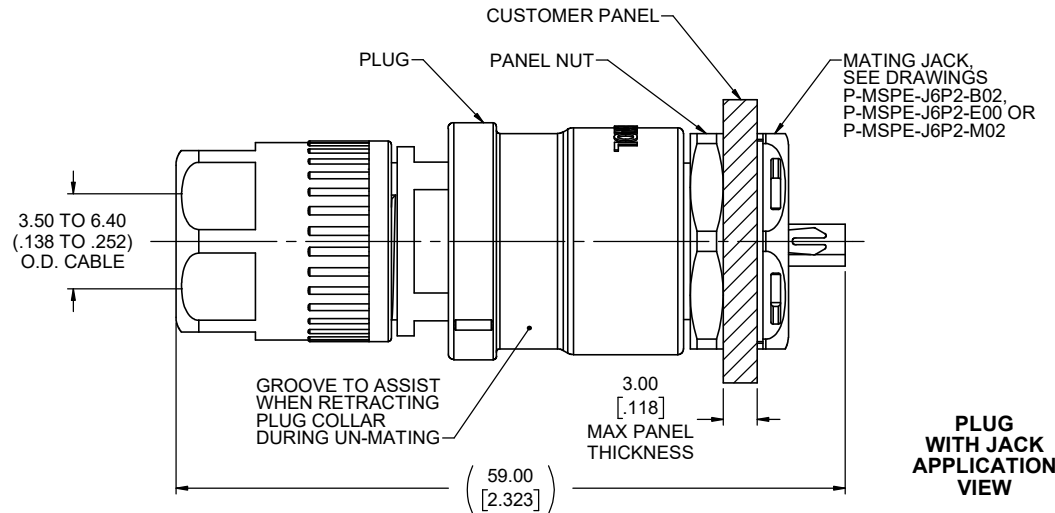
- ALIGN MATING AREA
- PUSH PLUG TO ENGAGE LATCH TO JACK

UN-MATING

- PULL FRONT PLUG COLLAR BACK APPROXIMATELY 1.2mm (.05") TO DIS-ENGAGE LATCH
- PULL PLUG TO UN-MATE FROM JACK



RECOMMENDED CABLE SPECIFICATIONS				
ITEMS		IDC 26 -28 AWG	IDC 24 - 25 AWG	SOLDER PAD
CONDUCTORS	SIZE	26 - 28 AWG	24 - 25 AWG	18 - 28 AWG
	STRANDS	7 STRANDS PER WIRE		
	MATERIAL	ANNEALED COPPER WIRE		
INSULATION OUTSIDE DIAMETER		Ø 0.95 - 1.05mm (Ø .037 - .041")	Ø 1.06 - 1.25mm (Ø .042 - .049")	Ø 2.55mm MAX (Ø .100" MAX)
BRAIDED SHIELD		TINNED COPPER		
JACKET OUTSIDE DIAMETER		Ø 3.50 - 6.40mm (Ø .138 - .252")		



PLUG WITH JACK APPLICATION VIEW

REVISIONS			
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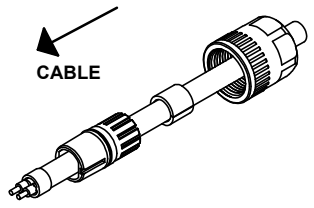
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Commercial Products

MSPE SERIES, SINGLE PAIR ETHERNET, IP67 PLUG, PUSH/PULL, TERMINATION OPTIONS, RoHS COMPLIANT

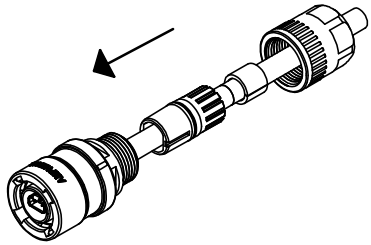
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CODE ID NO. 03554 DWG SIZE: X SCALE: NTS SHEET 2 OF 3

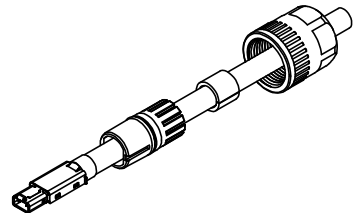
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PRODUCT DRAWING (EAR 15028)	DEC03/21	K.L.



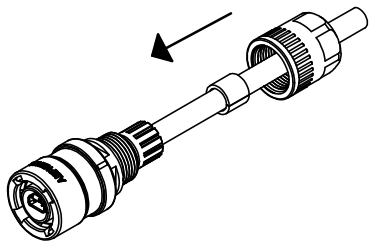
STEP 1
SLIDE THE GLAND SUB-ASSY, GROMMET
AND SCREW CAP ONTO THE BARE CABLE
PRIOR TO PLUG INSTALLATION



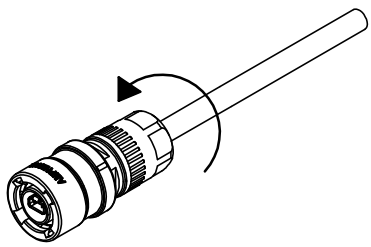
STEP 4
SLIDE THE GLAND SUB-ASSY
INTO THE HOUSING SUB-ASSY



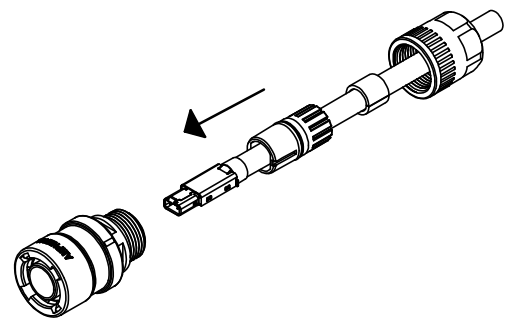
STEP 2
ASSEMBLE PLUG CONNECTOR
TO CABLE



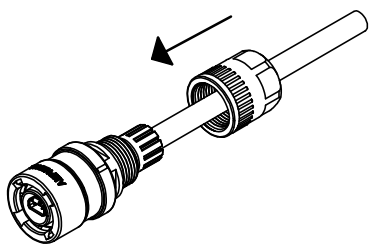
STEP 5
SLIDE THE GROMMET
INTO THE GLAND SUB-ASSY



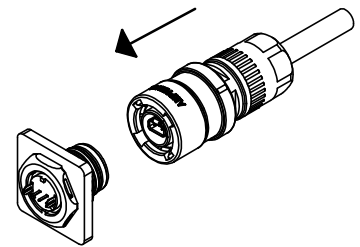
STEP 7
SCREW THE END CAP
UNTIL HAND TIGHT



STEP 3
SLIDE THE ASSEMBLED CABLE
INTO THE HOUSING SUB-ASSY



STEP 6
SLIDE THE END CAP
ONTO TO THE HOUSING SUB-ASSY



STEP 8
INSERT THE MSPE PUSH PULL
PLUG ASSEMBLY INTO THE JACK HOUSING
(AMPHENOL ENGRAVING INDICATES TOP SIDE)



FIELD ASSEMBLY PROCEDURE

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DWG. NO.		REV	A
CODE ID NO. 03554	DWG SIZE: X	SCALE: 1:1	SHEET 3 OF 3