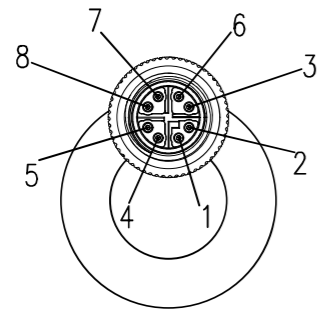
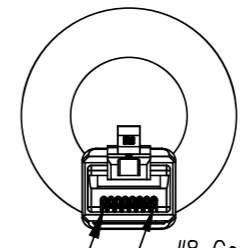
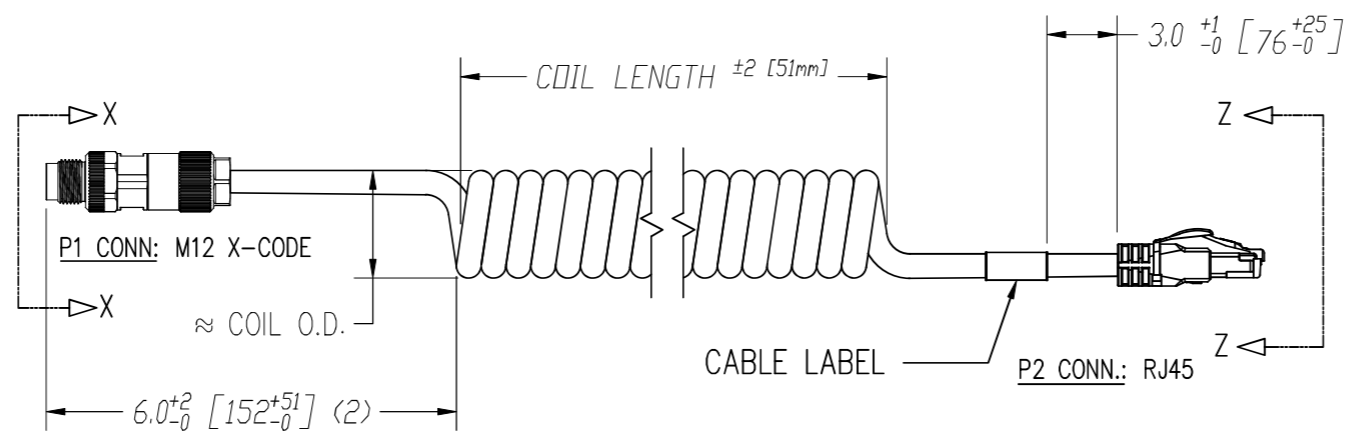


DATE	REV	ECN	APP'D. BY
12/13/22	A0	12082	GWL



VIEW X-X
SCALE 1:1
PER EIA/TIA 568B



VIEW Z-Z
SCALE 1:1

NOTES:

1. M12 CONNECTOR COMPONENTS:
 HOUSING: THERMOPLASTIC UL94 V-0
 CONTACTS: COPPER ALLOY
 SHELL: COPPER ALLOYS AND ZINC ALLOY
 SEALING: NBR
 CONTACT PLATING: UNDERPLATE: 50u"~70u" NICKEL
 CONTACT AREA: 10u" GOLD

CAT 5E RJ45 PLUG COMPONENTS:
 HOUSING: CLEAR POLYCARBONATE UL94 V-0
 CONTACTS: COPPER ALLOY
 CONTACT PLATING: UNDERPLATE: 100u" NICKEL
 CONTACT AREA: 50u" GOLD
 STRAIN RELIEF OVERMOLD: PVC, BLACK
 SHIELD: NICKEL PLATED BRASS

CABLE CONSTRUCTION:
 CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
 INSULATION: HIGH DENSITY POLYETHYLENE
 CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH
 A FOAM POLYPROPYLENE TAPE TO FORM CABLE CORE
 SHIELD: 38 AWG TINNED COPPER BRAID OVER CABLE CORE. A SECOND
 SHIELD OF ALUMINIZED POLYESTER FOIL OVER BRAID
 JACKET: ZHFR POLYURETHANE, TEAL, .261 DIAMETER.
 NOMINAL PULL FORCE OF COIL**: $F(LBS) = (1.35 * X) - 1.00$
 $X = (EXPANDED LENGTH) / (CONTRACTED LENGTH)$

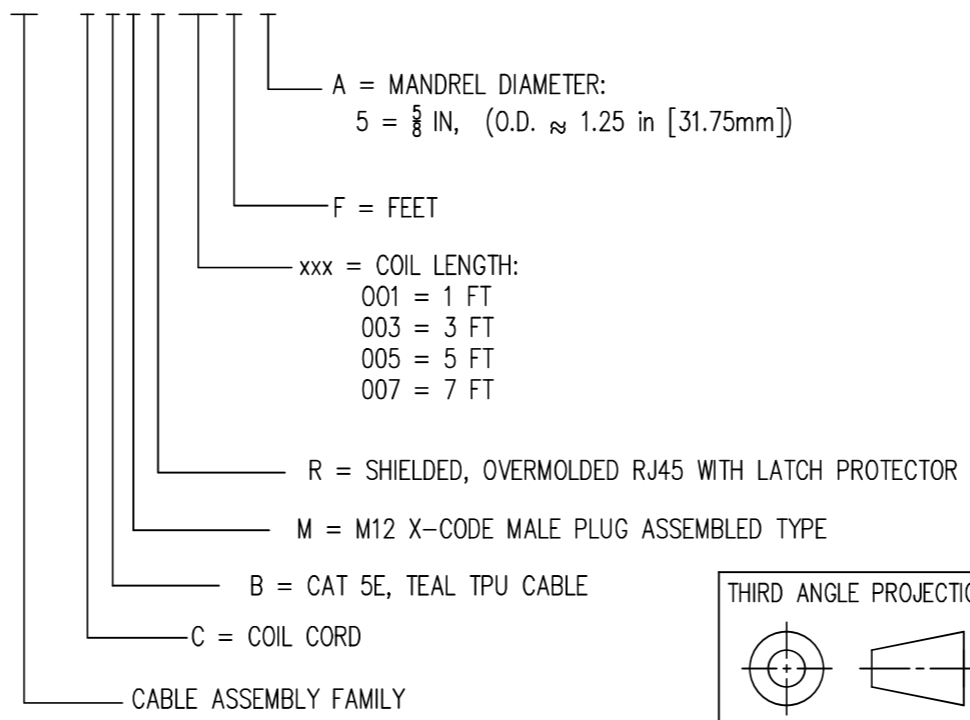
2. ELECTRICAL TESTING:
 100% TRANSMISSION TESTED FOR CAT 5E CHANNEL PERFORMANCE,
 WIRE MAP, CONTINUITY, SHORTS, DWV AT 500 VDC

3. PACKAGING:
 ONE CABLE PER BAG

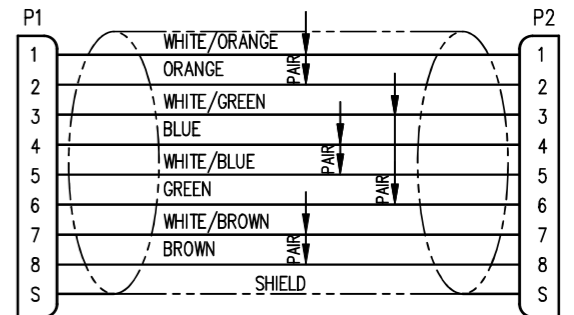
** USE FOR APPROXIMATION ONLY. VALIDATION BASED ON 1 FT LONG COIL BODY AND 1.25 O.D.

PART NUMBERS REFERENCE TABLE			
PART NUMBER	COIL LENGTH	MAX EXT LENGTH	≈ COIL O.D.
BM-CBMR001F5	1 FT [.3M]	6 FT [1.8M]	1.25 IN [31.75mm]
BM-CBMR003F5	3 FT [.9M]	18 FT [5.5M]	1.25 IN [31.75mm]
BM-CBMR005F5	5 FT [1.5M]	30 FT [9.1M]	1.25 IN [31.75mm]
BM-CBMR007F5	7 FT [2.1M]	42 FT [12.8M]	1.25 IN [31.75mm]

P/N STRUCTURE:
BM-CBMRxxxFA

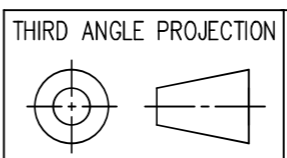


PIN ASSIGNMENT



568B STANDARD WIRING MAP

PIN NUMBER / WIRE COLOR CROSS REFERENCE		
IEC 61076-2-109	TIA/EIA 568B	WIRE COLOR
1	1	WHITE-ORANGE
2	2	ORANGE
3	3	WHITE-GREEN
4	6	GREEN
5	7	WHITE-BROWN
6	8	BROWN
7	5	WHITE-BLUE
8	4	BLUE



DO NOT SCALE DRAWING
 DRAWING IS SUBJECT TO
 CHANGE WITHOUT NOTICE

DIMENSIONS: INCHES [METRIC]
 UNLESS OTHERWISE SPECIFIED
 TOLERANCES ARE ±.008 [0.20]
 ANGLES ARE ± 1°

SHEET NO. 1 OF 1



TITLE: M12 X-CODE MALE TO RJ45 PLUG COIL CORD

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DRN BY:	KAW	DATE	12-13-22
APPD BY:	GWL	DATE	12-14-22
DWG NO.	CT999279	REV.	A0

