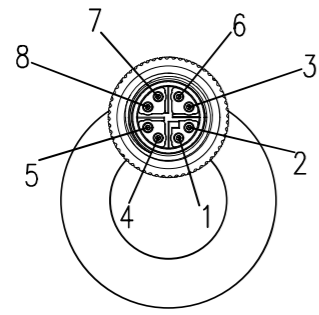
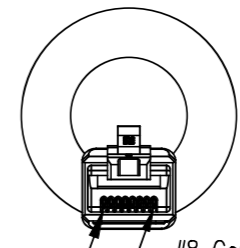
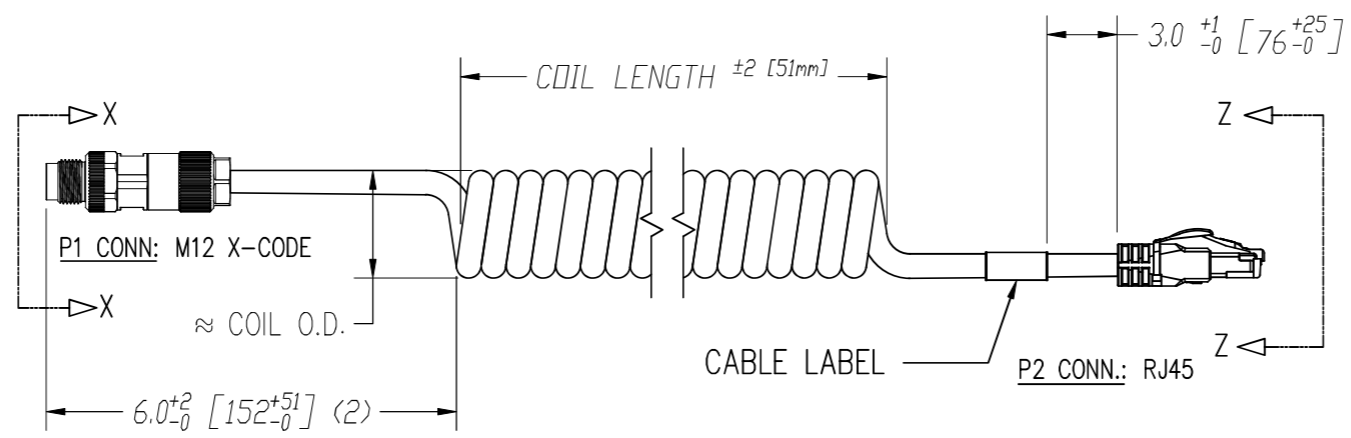


DATE	REV	ECN	APP'D. BY
12/13/22	A0	12082	GWL



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

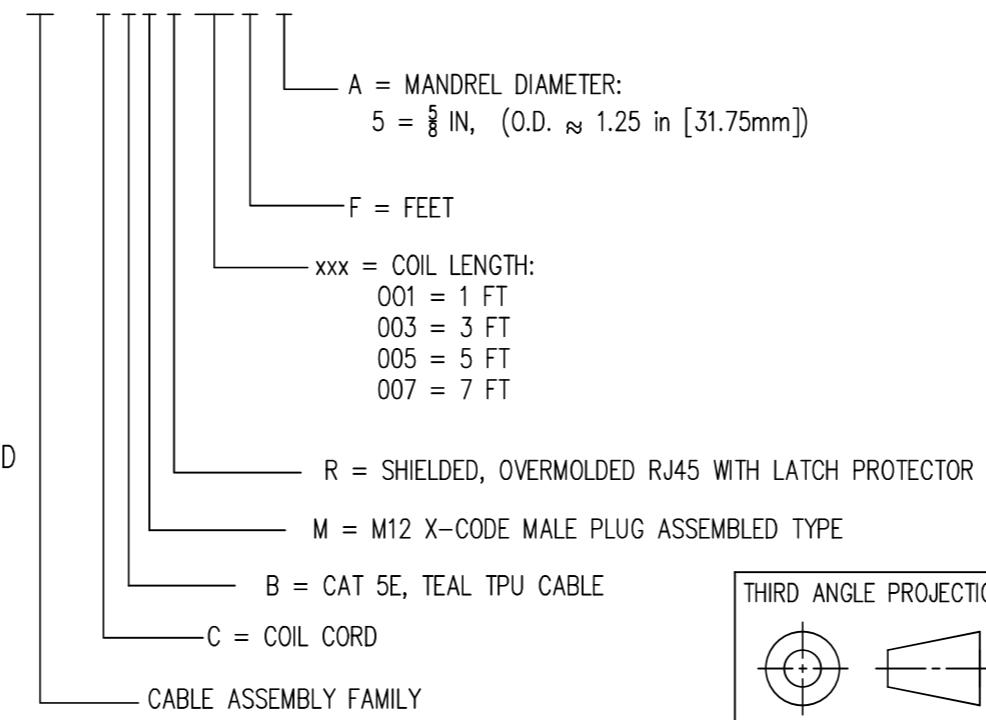
3. PACKAGING:
ONE CABLE PER BAG

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

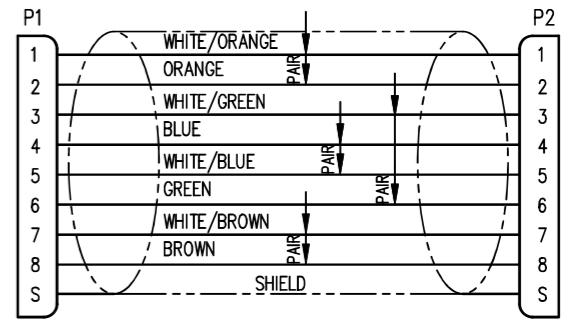
PART NUMBERS REFERENCE TABLE			
PART NUMBER	COIL LENGTH	MAX EXT LENGTH	≈ COIL O.D.
BM-CBMR001F5	1 FT [.3M]	6 FT [1.8M]	1.25 IN [31.75mm]
BM-CBMR003F5	3 FT [.9M]	18 FT [5.5M]	1.25 IN [31.75mm]
BM-CBMR005F5	5 FT [1.5M]	30 FT [9.1M]	1.25 IN [31.75mm]
BM-CBMR007F5	7 FT [2.1M]	42 FT [12.8M]	1.25 IN [31.75mm]

P/N STRUCTURE:

BM-CBMRxxxFA

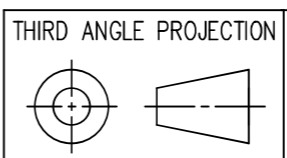


PIN ASSIGNMENT



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



11118 Susquehanna Trail South
Glen Rock, PA 17327-9199
(717) 235-7512
<http://www.stewartconnector.com>

DO NOT SCALE DRAWING
DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE

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

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

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

SHEET NO. 1 OF 1

