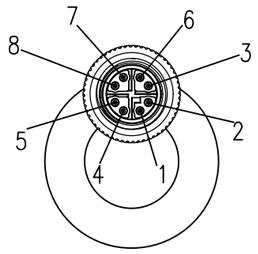
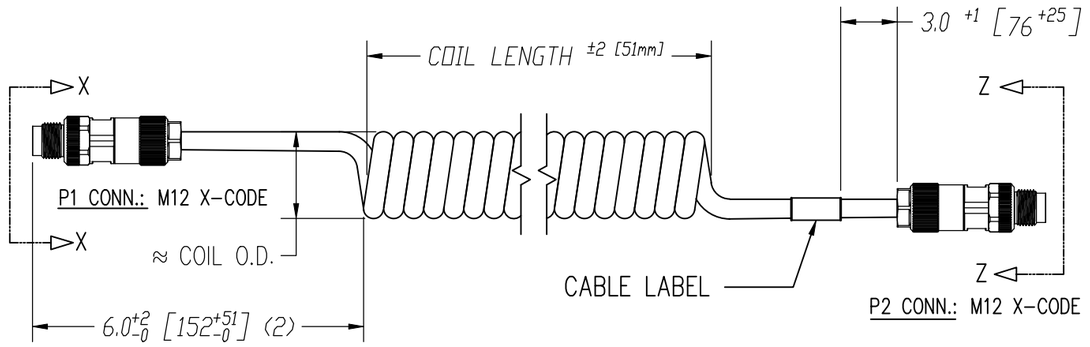
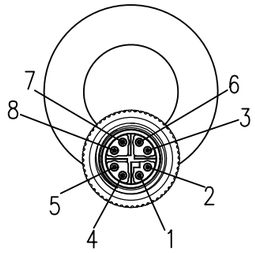
DATE	REV	ECN	APP'D. BY
09/08/21	A0	11830	ADB
09/16/21	A1	11846	ADB
09/23/21	A2	11849	ADB
12/13/22	A3	12082	GWL



VIEW X–X
SCALE 1:1
PER EIA/TIA 568B





VIEW Z–Z
SCALE 1:1
PER EIA/TIA 568B

NOTES:

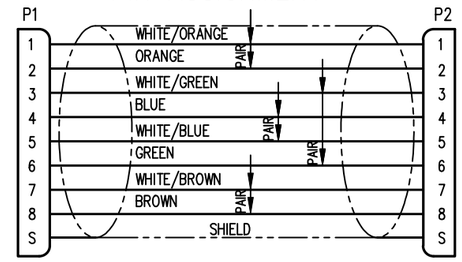
1. M12 CONNECTOR COMPONENTS:
   HOUSING: THERMOPLASTIC UL94 V–0
   CONTACTS: COPPER ALLOY
   SHELL: COPPER ALLOYS AND ZINC ALLOY
   SEALING: NBR
   CONTACT PLATING: UNDERPLATE: 50u"~70u" NICKEL
   CONTACT AREA: 10u" GOLD
   CABLE CONSTRUCTION:
   CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
   INSULATION: 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

P/N STRUCTURE:

BM–CBMMxxxFA

- A = MANDREL DIAMETER:
  5 = 5/8 IN, (O.D. ≈ 1.25 in [31.75mm])
- F = FEET
- xxx = COIL LENGTH:
  001 = 1 FT
  003 = 3 FT
  005 = 5 FT
  007 = 7 FT
- M = M12 X–CODE MALE PLUG ASSEMBLED TYPE
- M = M12 X–CODE MALE PLUG ASSEMBLED TYPE
- B = 5E, TEAL TPU CABLE
- C = COIL CORD
- CABLE ASSEMBLY FAMILY

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

PART NUMBERS REFERENCE TABLE			
PART NUMBER	COIL LENGTH	MAX EXT LENGTH	≈ COIL O.D.
BM–CBMM001F5	1 FT [.3M]	6 FT [1.8M]	1.25 IN [31.75mm]
BM–CBMM003F5	3 FT [.9M]	18 FT [5.5M]	1.25 IN [31.75mm]
BM–CBMM005F5	5 FT [1.5M]	30 FT [9.1M]	1.25 IN [31.75mm]
BM–CBMM007F5	7 FT [2.1M]	42 FT [12.8M]	1.25 IN [31.75mm]

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

RoHS

THIRD ANGLE PROJECTION

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

stewart CONNECTOR
a bel group
11118 Susquehanna Trail South
Glen Rock, PA 17327–9199
(717) 235–7512
http://www.stewartconnector.com

TITLE: M12 X–CODE MALE TO M12 X–CODE MALE COIL CORD

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DRN BY:	GWL	DATE	02–19–21
APPD BY:	ADB	DATE	09–08–21
DWG NO.	CT999249	REV.	A3

AutoCAD