

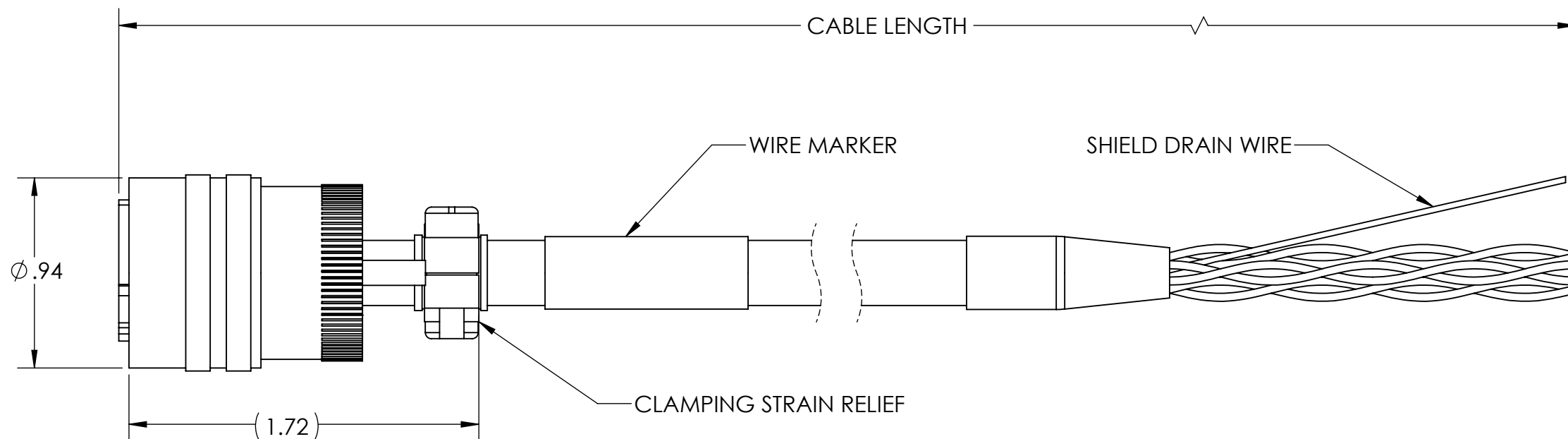
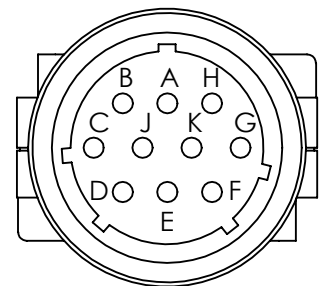
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ZONE	REV.	REVISION DESCRIPTION	ECN NO.	DATE
	.	.	.	.



PART NO.	CABLE LENGTH +5%/-0
31186-1210	10 FT
31186-1220	20 FT
31186-1230	30 FT.
31186-1250	50 FT.
31186-1275	75 FT
31186-12100	100FT
31186-12150	150 FT

TWISTED PAIR	COLOR	PIN	WIRE GAGE
PAIR 1	YELLOW	A	AWG 24
	WHT/YELLOW	H	
PAIR 2	BLUE	B	
	WHT/BLUE	J	
PAIR 3	ORANGE	C	AWG 22
	WHT/ORN	K	
PAIR 4	RED	D	
	BLACK	F	

- APPLICATION NOTES:
- FOR USE WITH DIFFERENTIAL LINE DRIVER ENCODERS OR THOSE WITH COMPLIMENTARY OUTPUTS, M12 CONNECTOR.
  - CABLE SHIELD IS NOT CONNECTED AT CONNECTOR. SHIELD CONNECTION MAY BE REQUIRED AT CONTROLLER END FOR SAFETY AND NOISE IMMUNITY.

NOTES (UNLESS OTHERWISE INDICATED):

- MAT'L: MS3116F12-10S, 37048-003 CABLE (PVC JACKET)
- OPERATING TEMP -40 TO +80°C
- STANDARD BEI (SENSATA) PINOUT/WIRE COLOR

UNCONTROLLED COPY

FIRST ISSUE DATE: 05/07/19  
 DRAWN: DRC  
 APPROVED: MFB  
 DATE: 05/07/19  
 ECN:  
 DATE:  
 MATERIAL:

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INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MILLIMETERS] AND ARE INTENDED AS NOMINAL SEE PRODUCT SPECIFICATIONS FOR MORE DETAILS.



BEI SENSORS  
 1461 LAWRENCE DRIVE  
 THOUSAND OAKS, CA 93120

TITLE  
**M12 CONNECTOR  
 AND CABLE ASSEMBLY**

SIZE DWG NO. REV.  
**B 09911-004 .**

DO NOT SCALE DRAWING THIRD ANGLE PROJECTION

SCALE 1:2 SOLIDWORKS SHEET 1 OF 1

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DEVICE: PROJECT: