

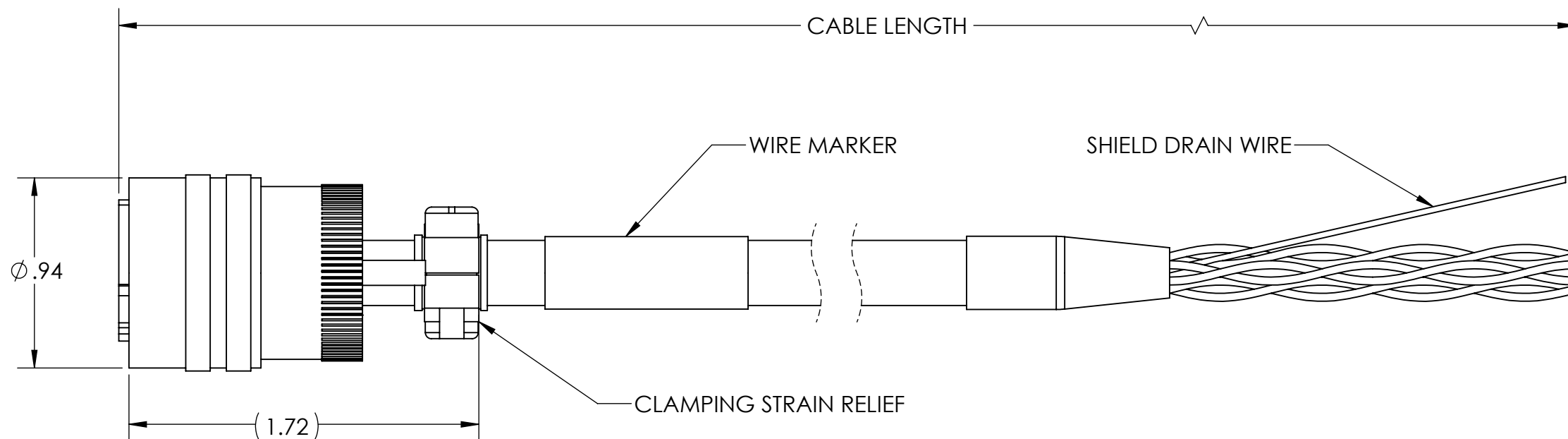
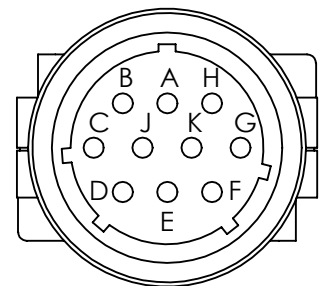
4

3

2

1

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:

SENSATA TECHNOLOGIES PROPRIETARY AND CONFIDENTIAL. NEITHER THIS PRINT NOR THE INFORMATION CONTAINED HEREON IS TO BE USED AGAINST THE INTERESTS OF SENSATA TECHNOLOGIES OR AGAINST THE INTERESTS OF ANY OF ITS AFFILIATED COMPANIES OR WHOLLY OWNED SUBSIDIARIES.

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

4

3

2

1

DEVICE: PROJECT: