

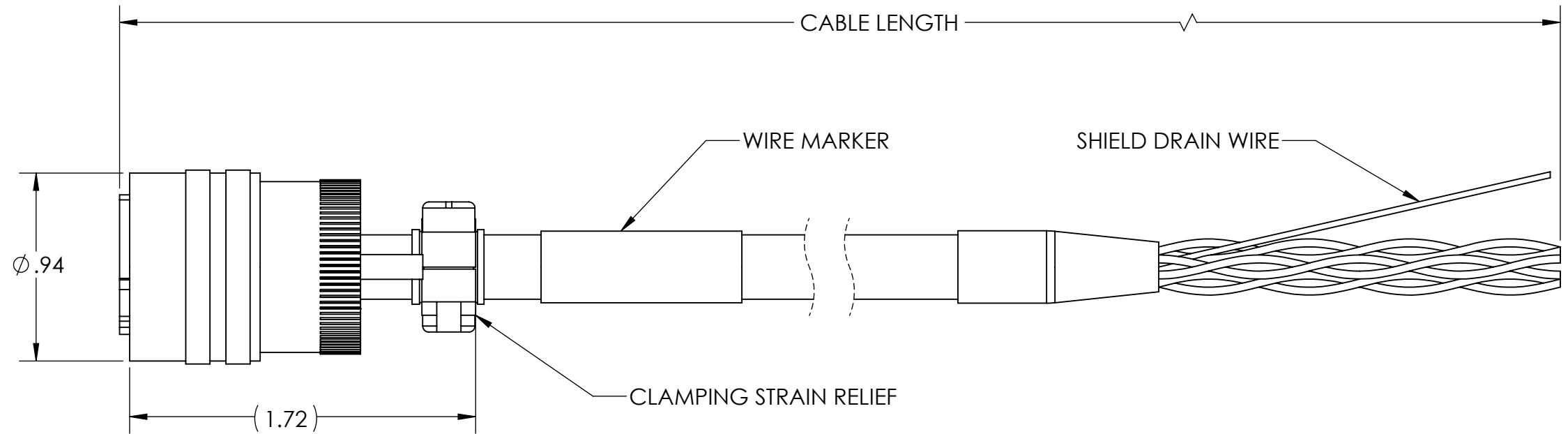
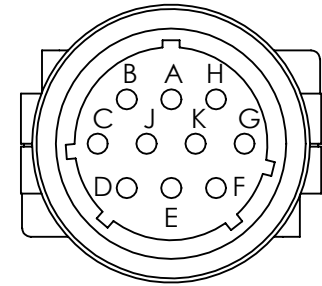
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| ZONE | REV. | REVISION DESCRIPTION | ECN NO. | DATE |
|------|------|----------------------|---------|------|
|      | .    | .                    | .       | .    |



| 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              |


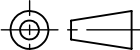
| TWISTED PAIR | COLOR      | PIN | WIRE GAGE |
|--------------|------------|-----|-----------|
| PAIR 1       | YELLOW     | A   | AWG 24    |
|              | WHT/YELLOW | H   |           |
| PAIR 2       | BLUE       | B   |           |
|              | WHT/BLUE   | J   |           |
| PAIR 3       | 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

|   |  |   |  |
|---|--|---|--|
| <b>UNCONTROLLED COPY</b>  |  |  BEI SENSORS<br>1461 LAWRENCE DRIVE<br>THOUSAND OAKS, CA 93120 |  |
| FIRST ISSUE DATE: 05/07/19<br>DRAWN: DRC<br>APPROVED: MFB<br>DATE: 05/07/19 | 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. |   | TITLE<br><h3 style="text-align: center;">M12 CONNECTOR AND CABLE ASSEMBLY</h3> |
| ECN:<br>DATE:<br>MATERIAL:  | 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.   |   | SIZE<br><b>B</b>   |
| DO NOT SCALE DRAWING<br>THIRD ANGLE PROJECTION                              |   |   | DWG NO.<br><h2 style="text-align: center;">09911-004</h2>                      |
| SCALE 1:2   |  | SOLIDWORKS  | SHEET 1 OF 1   |

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DEVICE:

PROJECT: