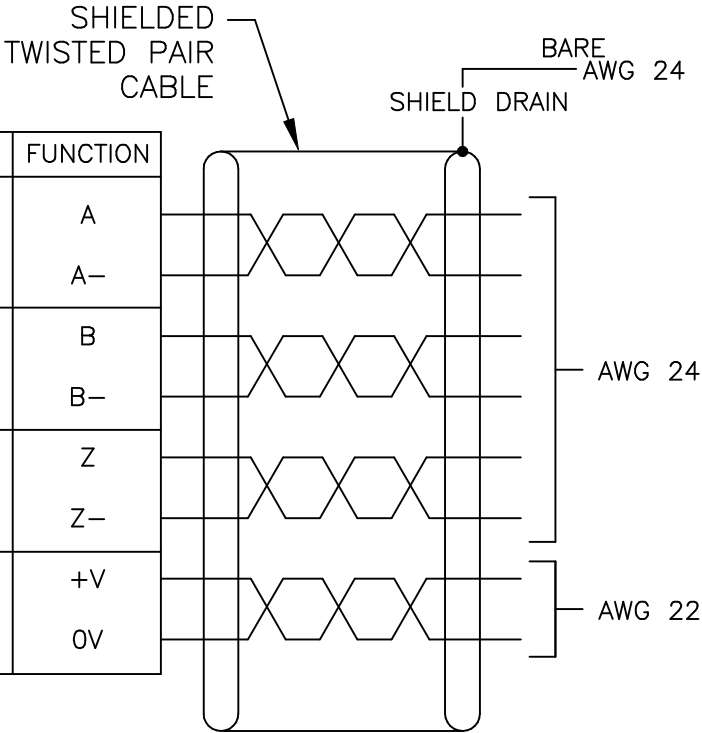
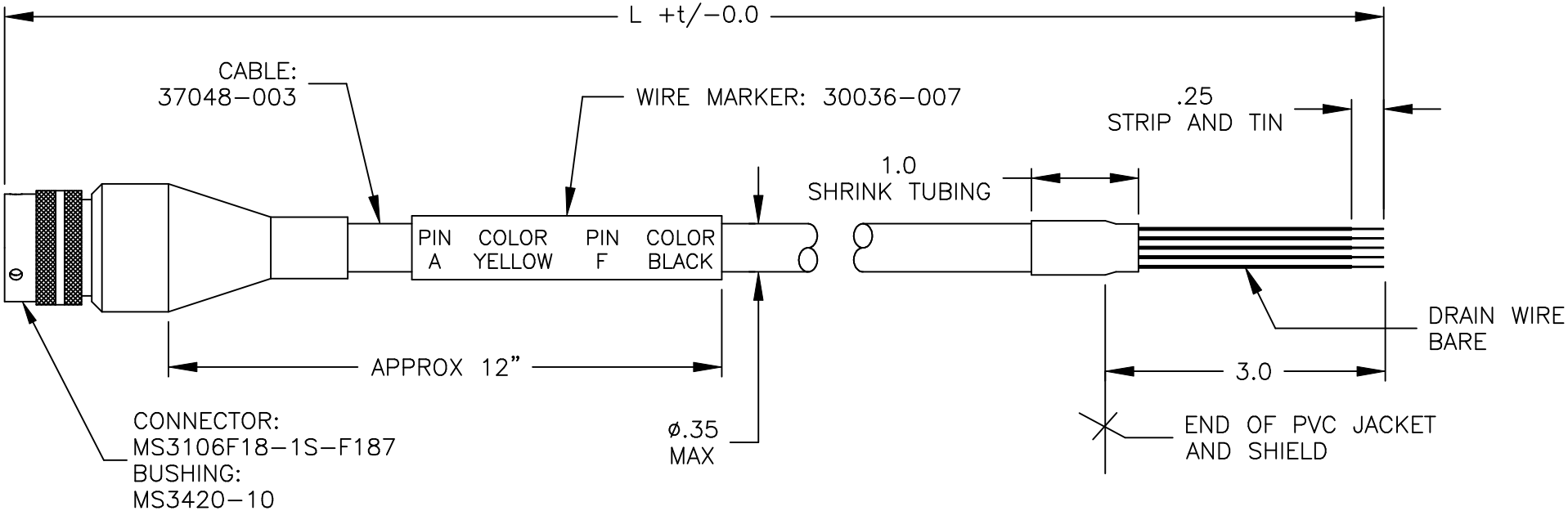


CABLE DESCRIPTION:  
TINNED COPPER, PVC INSULATED,  
OVERALL FOIL ALUMINUM-POLYESTER SHIELD,  
24 AWG STRANDED TINNED COPPER DRAIN WIRE,  
OVERALL TINNED COPPER BRAID SHIELD, 6% COVERAGE  
(65% COVERAGE), GRAY PVC JACKET.

CONDUCTORS:  
AWG PER TABLE  
4 TWISTED PAIRS  
NOMINAL IMPEDANCE: 100 OHM  
NOMINAL CAPACITANCE BETWEEN CONDUCTORS: 12.5pF/FT.  
NOMINAL CAPACITANCE BETWEEN ONE CONDUCTOR AND OTHER  
CONDUCTORS CONNECTED TO SHIELD: 22pF/FT.

APPLICATION:  
THIS CABLE IS INTENDED FOR DIFFERENTIAL LINE DRIVER  
OUTPUT ENCODERS OR THOSE WITH COMPLIMENTARY OUTPUTS.  
REFER BEI DRAWING 924-08069-002 FOR DETAILED  
TERMINATION GUIDELINES.

| REVISIONS |       |                       |          |
|-----------|-------|-----------------------|----------|
| REV       | ECO # | DESCRIPTION           | DATE     |
| D         | 8281  | JACKET WAS CHROME PVC | 06/23/11 |



| PIN | COLOR  | FUNCTION |
|-----|--------|----------|
| A   | YELLOW | A        |
| H   | W/YEL  | A-       |
| B   | BLUE   | B        |
| I   | W/BLU  | B-       |
| C   | ORANGE | Z        |
| J   | W/ORN  | Z-       |
| D   | RED    | +V       |
| F   | BLACK  | 0V       |

WARNING:  
CABLE SHIELD IS FLOATED (NOT CONNECTED)  
AT CONNECTOR. SHIELD CONNECTION MAY BE  
REQUIRED FOR SAFETY OR NOISE IMMUNITY.

| BEI P/N        | CABLE LENGTH<br>'L' DIM | TOLERANCE<br>'t' |
|----------------|-------------------------|------------------|
| 924-31186-1810 | 10 FT                   | 0.5'             |
| 924-31186-1820 | 20 FT                   | 1.0'             |
| 924-31186-1830 | 30 FT                   | 1.5'             |
| 924-31186-1850 | 50 FT                   | 2.5'             |

|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
|----------|--|-------|--|--------|--|-------|--|-----------|--|------|--|---------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|------------|--|--------------|--|
| MATERIAL |  | NOTED |  | FINISH |  | NOTED |  | APPROVALS |  | DATE |  | <div>7230 Hollister Ave.<br/>Goleta, Ca 93117-2891<br/>Tel: (805) 968-0782<br/>Fax: (805) 968-3154</div> <div><b>BEI</b>SENSORS</div> |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  | DRAWN     |  | KRB  |  |                                                                                                                                       |  |                    |  | 11/20/07   |  |              |  |
|          |  |       |  |        |  |       |  | APPROVED  |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  |           |  |      |  | CABLE, DIFF. OUTPUT, 10 PIN CONN<br>4 TWISTED PAIR, OVERALL SHIELD                                                                    |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  |           |  |      |  | SIZE                                                                                                                                  |  | CAGE CODE          |  | DWG. NO.   |  | REV.         |  |
|          |  |       |  |        |  |       |  |           |  |      |  | B                                                                                                                                     |  | 1RB90              |  | 31186-18XX |  | D            |  |
|          |  |       |  |        |  |       |  |           |  |      |  | SCALE: NONE                                                                                                                           |  | FILE: 31186-18XX_E |  |            |  | SHEET 1 OF 1 |  |
|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
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|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
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|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
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|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
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|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
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|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |
|          |  |       |  |        |  |       |  |           |  |      |  |                                                                                                                                       |  |                    |  |            |  |              |  |

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