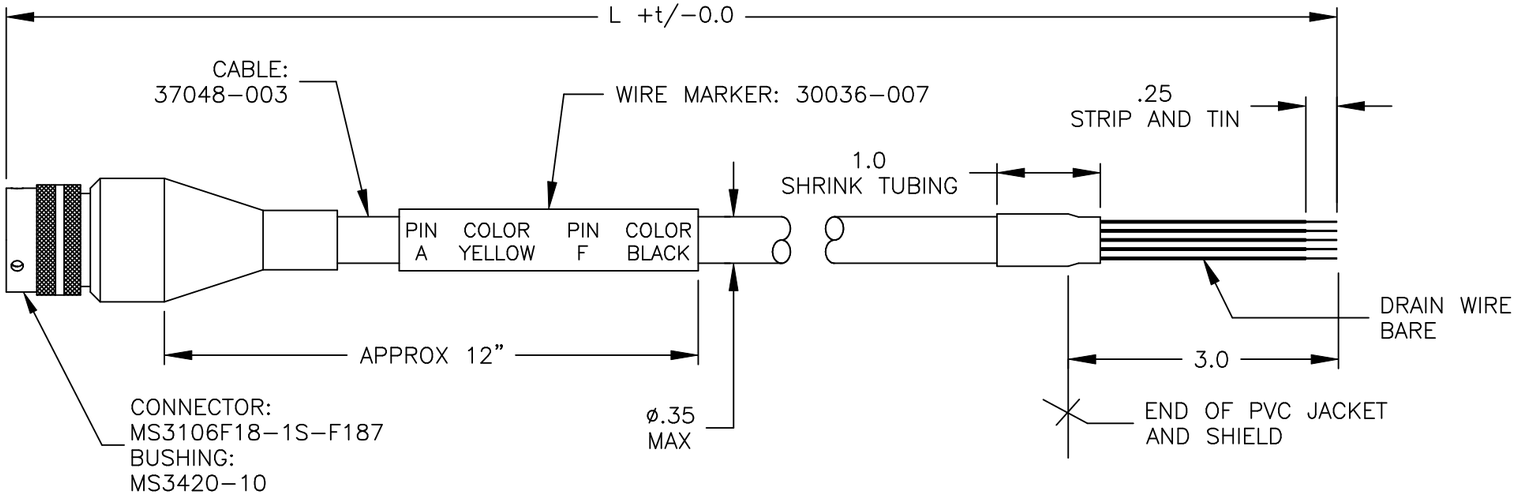
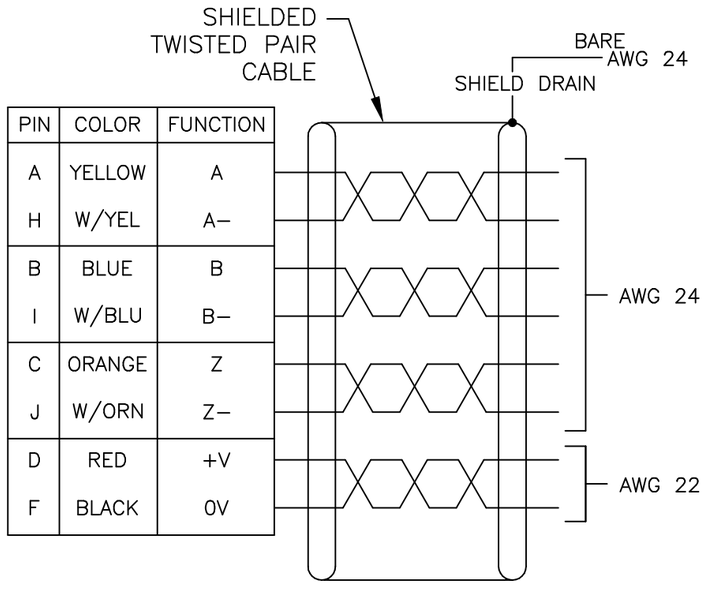
REVISIONS			
REV	ECO #	DESCRIPTION	DATE
D	8281	JACKET WAS CHROME PVC	06/23/11

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.





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 'L' DIM	TOLERANCE "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

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APPROVALS	DATE
DRAWN KRB	11/20/07
APPROVED	

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES AND
APPLY AFTER FINISH
.XX ±.01 .XXX ±.005
ANGLES ±0° 30'
ALL DIA. TO BE Ⓜ WITHIN .010

BEI SENSORS
7230 Hollister Ave.
Goleta, Ca 93117–2891
Tel: (805) 968–0782
Fax: (805) 968–3154

CABLE, DIFF. OUTPUT, 10 PIN CONN 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