

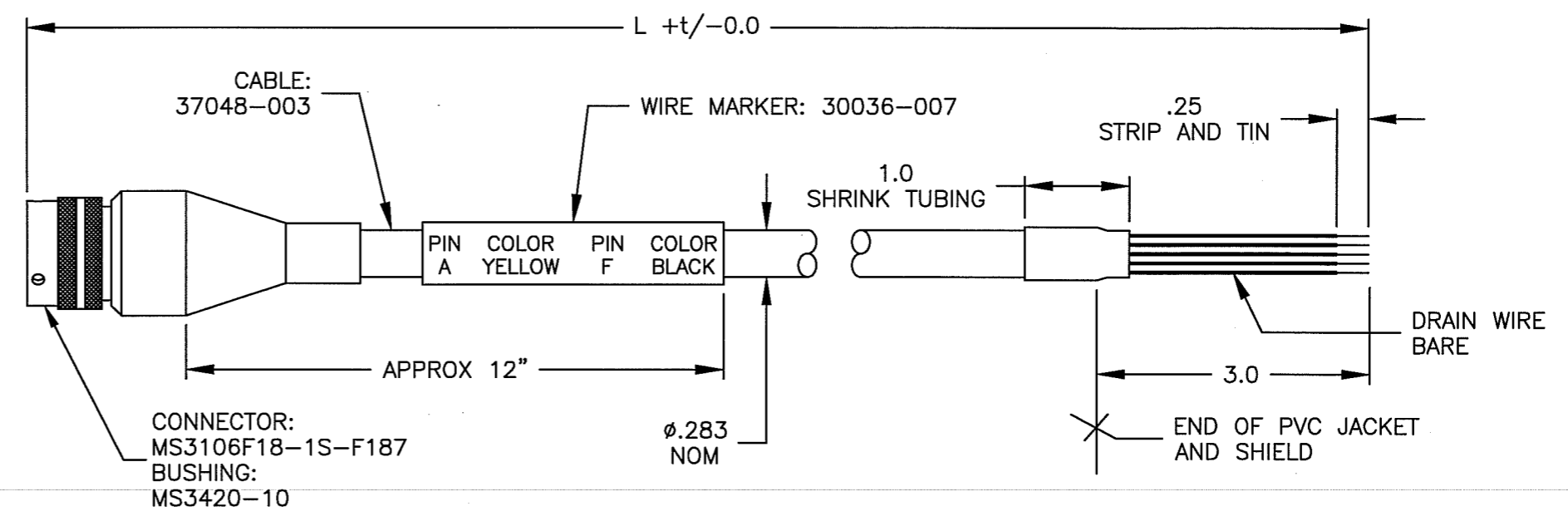
CABLE DESCRIPTION:  
 TINNED COPPER, PVC INSULATED,  
 OVERALL FOIL ALUMINUM-POLYESTER SHIELD,  
 24 AWG STRANDED TINNED COPPER DRAIN WIRE,  
 OVERALL TINNED COPPER BRAID SHIELD, 6% COVERAGE  
 (65% COVERAGE), CHROME PVC JACKET.

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.

DWG. NO.	SH.	REV.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	REVISED TO BEI STD WIRE COLOR CODE	10/5/98	
B	ADDED LENGTH TOLERANCE	12/21/99	
C	ADD MOLDED BACKSHELL; DEL. CLAMP	6/12/01	
C1	ADD TOLERANCE "t"	11/20/07	



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

SHIELD DRAIN  
 AWG 24  
 AWG 24  
 AWG 22

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

Dims in [ ] are millimeters and tolerances are:  
 .x = ± .25 .xx = ± .127 .xxx = ± .063

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'

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMAL ANGLES ± 1/64 .XX ±.01 ±0° 30' .XXX ±.005		THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF BEI TECHNOLOGIES, INC. ANY REPRODUCTION, USE OR DISCLOSURE OF THIS DOCUMENT WITHOUT WRITTEN CONSENT OF BEI TECHNOLOGIES, INC. IS EXPRESSLY PROHIBITED.	
REMOVE BURRS AND BREAK ALL SHARP EDGES .010 MAX. ALL DIA. TO BE © WITHIN .010		CONTRACT NO. N/A	
MATERIAL NOTED		APPROVALS DATE DRAWN KRB 11/20/07 ENGINEER N/A	
FINISH NONE		APPROVED 11-20-07	
APPLICATION NONE		CABLE, DIFF. OUTPUT, 10 PIN CONN 4 TWISTED PAIR, OVERALL SHIELD	
NEXT ASSY USED ON		SIZE B FSCM NO. 1RB90 DWG. NO. 31186-18XX REV. C1	
DO NOT SCALE DRAWING		SCALE NONE FILE: 31186-18XX-C1 SHEET 1 OF 1	

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