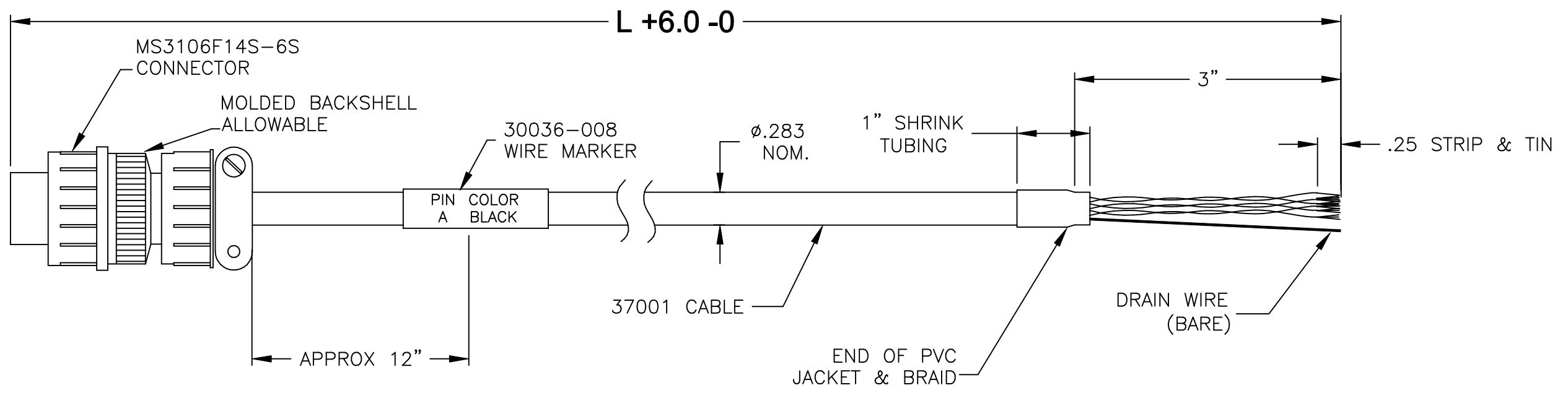


REVISIONS			
REV	ECO #	DESCRIPTION	DATE
E	8281	JACKET WAS CHROME PVC	06/23/11



**CABLE DESCRIPTION:**  
TINNED COPPER, PVC INSULATED,  
22 AWG STRANDED TINNED COPPER DRAIN WIRE, OVERALL TINNED COPPER  
BRAID SHIELD, (80% COVERAGE), GRAY PVC JACKET.

**CONDUCTORS:**  
22 AWG  
6 CONDUCTORS PLUS SHIELD DRAIN  
NOMINAL IMPEDANCE: 100 OHM  
NOMINAL CAPACITANCE BETWEEN CONDUCTORS: 30 pF/FT.  
NOMINAL CAPACITANCE BETWEEN ONE CONDUCTOR AND OTHER  
CONDUCTORS CONNECTED TO SHIELD: 50 pF/FT

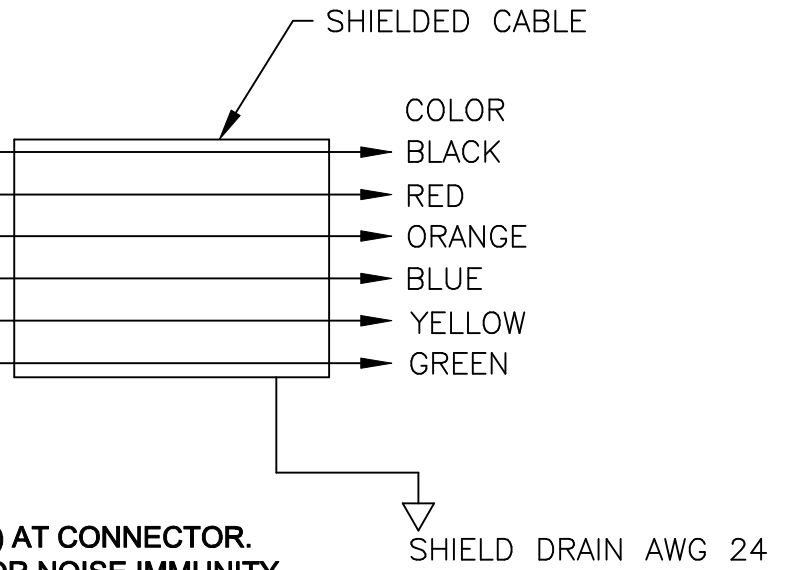
**APPLICATION:**  
THIS CABLE IS INTENDED FOR SINGLE ENDED OUTPUT ENCODERS (AB OR ABZ)  
AND DIFFERENTIAL OUTPUT ENCODERS WITH NO INDEX (ABC)

**ASSEMBLY:**  
ASSEMBLE PER ITT SPECIFICATIONS INCLUDING ALL PARTS FOR CA 3106E  
OR MADE FROM 31297-14XX.  
ASSEMBLED AS ABC FUNCTION, FOR ABZ REMOVE GREEN WIRE.

**ORDERING INFORMATION:**

PART NUMBER	CONNECTOR	'L' DIM
924-31186-1410	MS3106F14S-6S	10 FEET
924-31186-1420	MS3106F14S-6S	20 FEET
924-31186-1430	MS3106F14S-6S	30 FEET

CONN PIN #	WIRE COLOR	FUNCTION ABC	FUNCTION ABZ
A	BLACK	0V	0V
B	RED	+V	+V
C	ORANGE	A/	Z
D	BLUE	B	B
E	YELLOW	A	A
F	GREEN	B/	-



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

MATERIAL	NOTED	FINISH	NOTED	APPROVALS	DATE
				DRAWN DC	06/25/07
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THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF BEI SENSORS. ANY REPRODUCTION, USE OR DISCLOSURE OF THIS DOCUMENT WITHOUT WRITTEN CONSENT OF BEI SENSORS IS EXPRESSLY PROHIBITED.				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, SINGLE-ENDED OUTPUT  
6 COND., OVERALL SHIELD, 6 PIN CONN

SIZE	CAGE CODE	DWG. NO.	REV.
B	1RB90	31186-14XX	E

SCALE: NONE FILE: 31186-14XX\_E SHEET 1 OF 1