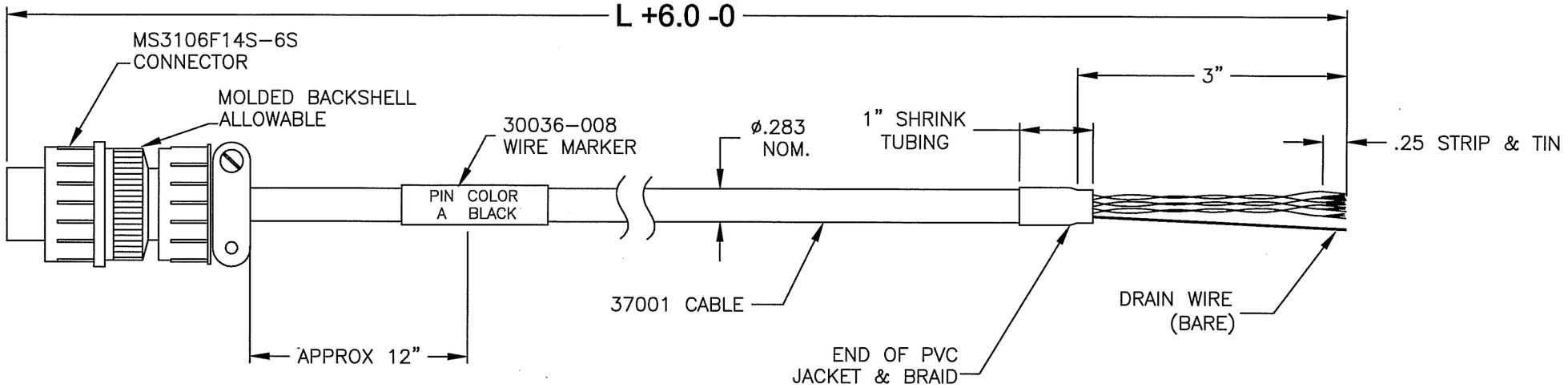
DWG. NO.	SH.	REV.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	ADDED LENGTH TOLERANCE	12/21/99	APPROVAL
B	FROM .283 TO .225	1/10/00	
C	ADDED ASSEMBLY NOTE	1/27/03	
D	ECO 0111	3/05/03	
D1	22 AWG WIRE WAS 24	6/25/07	



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

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

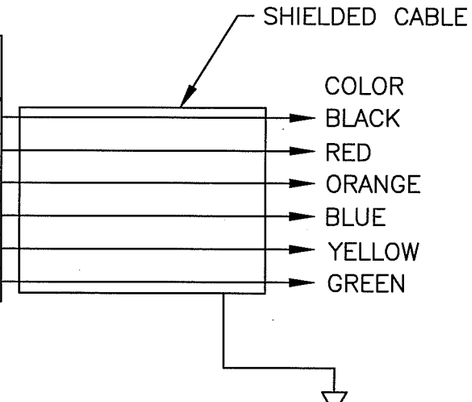
APPLICATION:
THIS CABLE IS INTENDED FOR SINGLE ENDED OUTPUT ENCODERS (AB OR ABZ) AND DIFFERENTIAL OUTPUT ENCODERS WITH NO INDEX (ABC)

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 REQUIREED FOR SAFETY OR NOISE IMMUNITY.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
FRACTIONS ± 1/64 DECIMAL .XX ±.01 .XXX ±.005 ANGLES ±0° 30'
REMOVE BURRS AND BREAK ALL SHARP EDGES .010 MAX.
ALL DIA. TO BE Ⓜ WITHIN .010
MATERIAL
FINISH

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CONTRACT NO.

BEI INDUSTRIAL ENCODER DIVISION
BEI TECHNOLOGIES, INC.

APPROVALS	DATE
DRAWN DC	6/25/07
APPR	4/26/07

DO NOT SCALE DRAWING

CABLE, SINGLE-ENDED OUTPUT
6 CONDUCTOR, OVERALL SHIELD, 6 PIN CONN.

SIZE	FSCM NO.	DWG. NO.	REV.
B	1RB90	924-31186-14 XX	D1

SCALE NONE FILE: 924-31186-14XX.DWG SHEET 1 OF 1