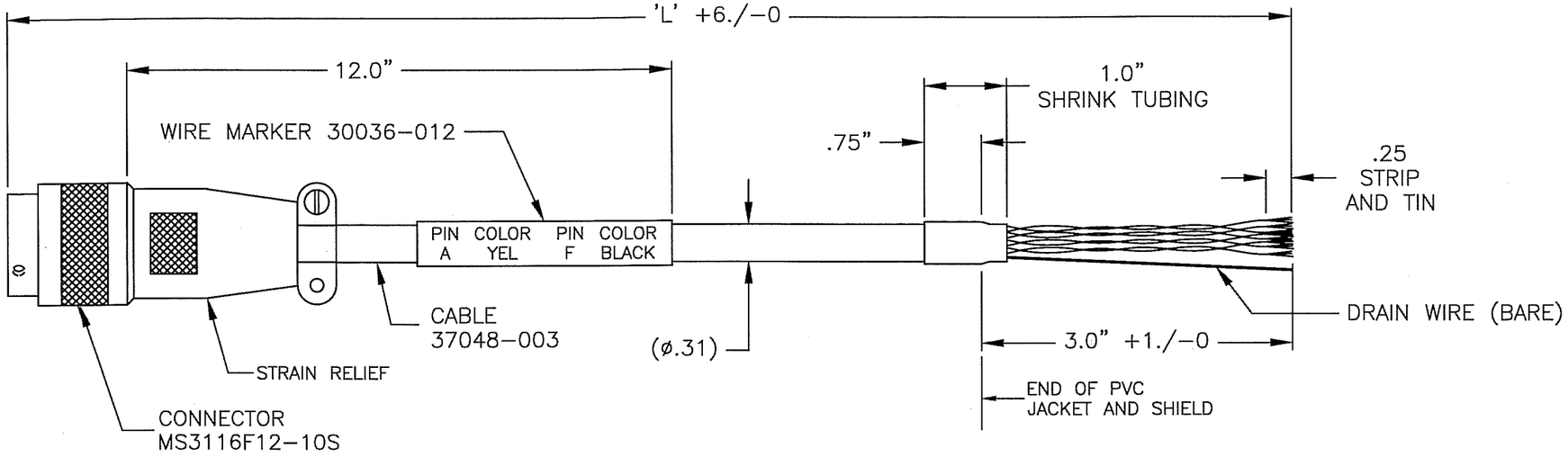
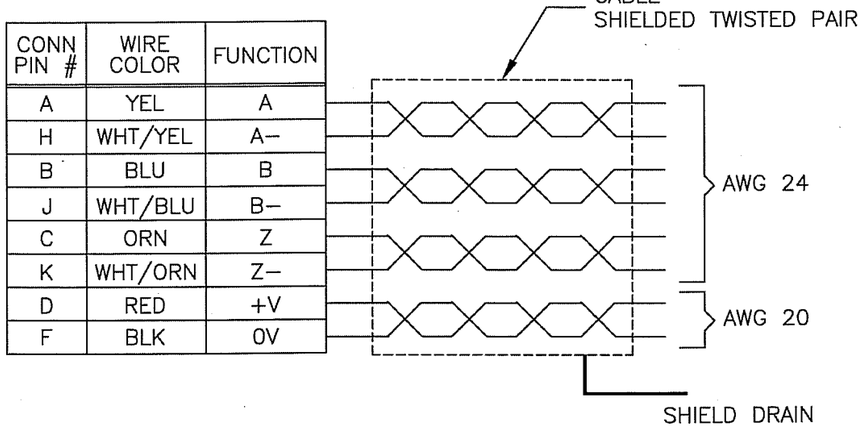
DWG. NO.	SH.	REV.

NOTES: UNLESS OTHERWISE SPECIFIED:

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL





CONN PIN #	WIRE COLOR	FUNCTION
A	YEL	A
H	WHT/YEL	A–
B	BLU	B
J	WHT/BLU	B–
C	ORN	Z
K	WHT/ORN	Z–
D	RED	+V
F	BLK	0V

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

PART NUMBER	CONNECTOR	'L' DIM
924–31186–1210	MS3116F12–10S	10 FEET
924–31186–1220	MS3116F12–10S	20 FEET
924–31186–1230	MS3116F12–10S	30 FEET
924–31186–1250	MS3116F12–10S	50 FEET

CABLE DESCRIPTION:
TINNED COPPER, PVC INSULATED, OVERALL FOIL ALUMINUM–POLYESTER SHIELD.
24 AWG STRANDED TINNED COPPER DRAIN WIRE, OVERALL TINNED COPPER
BRAID SHIELD (65% COVERAGE), CHROME PVC JACKET,
CONDUCTORS:
4 TWISTED PAIRS, AWG PER TABLE
NOMIMAL IMPEDANCE: 100 OHM
NOMINAL CAPACITANCE BETWEEN CONDUCTORS: 12.5pF/FT.
NOMIMAL 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 COMPLEMENTARY OUTPUTS. SEE BEI DRAWING 924–08069–002
FOR DETAILED TERMINATION GUIDELINES.

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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BEI INDUSTRIAL ENCODER DIVISION
BEI TECHNOLOGIES, INC.

APPROVALS	DATE
DRAWN K.BECKER	10/13/04
ENGINEER	
APPROVED	

DO NOT SCALE DRAWING

CABLE CONN ASSY
4 PAIR DIFF. OUTPUT, M12–10 PIN CONN

SIZE	FSCM NO.	DWG. NO.	REV.
B	1RB90	924–31186–12 XX	—

SCALE NONE | FILE: 924–31186–12XX.DWG | SHEET 1 OF 1