

REVISIONS			
REV.	DESCRIPTION	DATE	DRAWN

PIN	WIRE	SIGNAL
13	#22 W/GRN	MTR ØC
12	#22 W/VIO	MTR ØB
11	#22 RED/BLK	MTR ØA
10	#24 RED/ORN	MTR RETURN
9	GRY/RED	HALL C
8	GRY/BLK	HALL A
7	GRY	CCW/-LMT
6	GRN/BLK INNER SHIELD	LMT COM
5	WHT/YEL #22 GRN	ENC COM
4	WHT/BRN	MKR-N
3	WHT/ORN	SIN-N
2	REMOVE PIN	REMOVE PIN
1	WHT/RED	COS-N
CASE	OUTER SHIELD	OUTER SHIELD
14	RED	COS
15	ORN	SIN
16	BRN	MKR
17	#22 VIO BLU/BLK	ENC +5V
18	PNK	ID
19	WHT	CW/+LMT
20	YEL/BLK	THERM
21	WHT/GRY	HALL B
22	#24 BLK/ORN	RETURN
23	BLK	MTR ØA
24	YEL	MTR ØB
25	BLU	MTR ØC

SIGNAL	WIRE	PIN
MTR ØC	#22 W/GRN	13
MTR ØB	#22 W/VIO	12
MTR ØA	#22 RED/BLK	11
FRAME	#24 RED/ORN	10
HALL C	GRY/RED	9
HALL A	GRY/BLK	8
-	-	7
LMT COM	INNER SHIELD	6
ENC COM	WHT/YEL #22 GRN	5
MKR-N	WHT/BRN	4
SIN-N	WHT/ORN	3
COS-N	WHT/RED	2
KEY	KEY	1
OUTER SHIELD	BOTH OUTER SHIELDS	CASE
COS	RED	14
SIN	ORN	15
MKR	BRN	16
ENC +5V	#22 VIO	17
ID	PNK	18
-	-	19
THERM	YEL/BLK	20
HALL B	WHT/GRY	21
FRAME	#24 BLK/ORN	22
MTR ØA	BLK	23
MTR ØB	YEL	24
MTR ØC	BLU	25

SIGNAL	WIRE	PIN
ID	PNK	8
COM	-	7
CCW/- LMT	GRY	5
-	-	4
CW/+ LMT	WHT	3
COM	GRN/BLK	2
+5 VDC	BLU/BLK	1
OUTER SHIELD	SHIELD	CASE

ECX01182  
26 COND., #22x5, #24x2, #26x13, #26x3Pair  
ALL #26, UNLESS NOTED OTHERWISE

WIRES TO THIS CONNECTOR ONLY

WIRE TO BOTH CONNECTORS

INSERT KEY (ECK00785) INTO  
PIN 1 (USE EPOXY TO SECURE).

ADD GOLD JUMPERS  
EIK00351

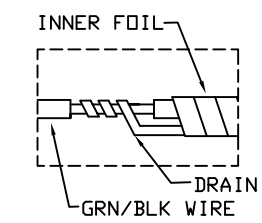
ADD GOLD JUMPER  
EIK00351, 4 PLS.



DISCRETE INNER SHIELD TERMINATION  
SOLDER, SPLICE #26 GRN/WHT WIRE TO INNER  
SHIELD AND CONNECT TO PIN 6.  
NOTE: INNER SHIELD MUST NOT TOUCH OUTER  
SHIELD OR BACKSHELL.



INNER SHIELD TERMINATION WITH ANOTHER WIRE



UNWRAP INNER FOIL SHIELD AS FAR BACK AS  
POSSIBLE. SEPARATE INSULATION FROM GRN/BLK  
WIRE. SOLDER-SPLICE INNER DRAIN WIRE TO GRN/BLK  
WIRE. WRAP INNER FOIL SHIELD OVER  
SOLDER-SPLICE. COVER INNER BUNDLE, SPLICE & INNER  
SHIELD WITH SHRINK TUBING AS FAR IN CABLE AS  
POSSIBLE. CONNECT GRN/BLK WIRE TO PIN 6.

NOTE: INNER SHIELD MUST NOT TOUCH OUTER  
SHIELD OR BACKSHELL.

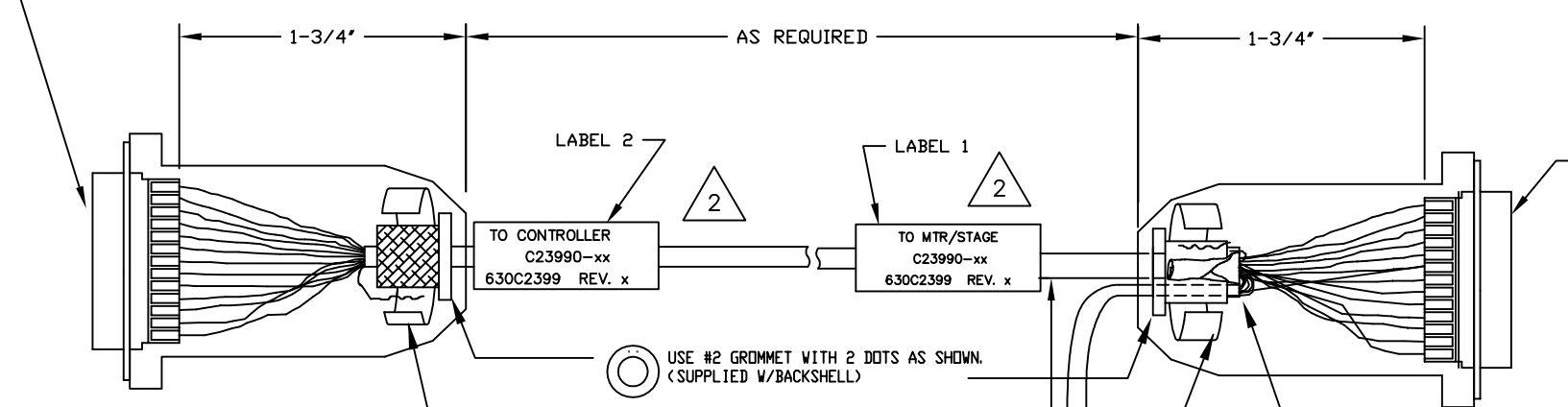


LABEL EACH END OF CABLE WITH EIA00113



STARTING CABLE LENGTH SHOULD BE 30 IN LONGER  
THAN TOTAL LENGTH OF CABLE. LENGTH OF CABLE  
IS DESIGNATED BY THE (XX) IN CABLE NAME.

REMOVE PIN 2



LEAVE LIMIT WIRES PROTRUDE OUT OF JACKET  
20" FOR MAKING CONNECTION TO LIMIT  
CONNECTOR. STARTING CABLE LENGTH MUST BE  
2.5 FEET LONGER THAN A. R. LENGTH.

USE #5-DOT GROMMET SUPPLIED WITH BACKSHELL.  
USE SEVERAL LAYERS OF HEAT SHRINK TO INCREASE  
CABLE DIAMETER, SO CABLE IS STRAIN RELIEFED.

CUT BACK HEATSHRINK 1-1/2" WITHOUT CUTTING FABRIC  
SHIELD. FOLD FABRIC SHIELD BACK OVER GROMMET. TRIM  
SHIELD AT GROMMET SHOULDER. WRAP WITH 6" COPPER TAPE.

INSERT KEY (ECK00785) INTO  
PIN 1 (SECURE WITH EPOXY).

20"

COVER 5 LIMIT WIRES WITH SST TUBING  
(ECX01317), AND LOOP BACK OUT OF CONNECTOR.

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TOLERANCES ON		
FRACTIONS	DECIMALS	ANGLES
0 TO 6 ± 1/32	.XX ± .01	± 0-30'
OVER 6 ± 1/16	.XXX ± .005	

**C23990-xx**  
CABLE: BL MTR & FB-25DU-25DU-9DU-MAX65DM

RMS FINISH	EXCEPT AS NOTED	
DRAWN	JFM	4/1/2013
CHECKED	TS	4/1/2013
APPD.	JFM	4/1/2013

PART CODE	SIZE	REV.
C23990-xx	C	-
<b>630C2399</b>		
SCALE NTS	FILE NAME	SHEET
	630C239901.Dwg	1 OF 1