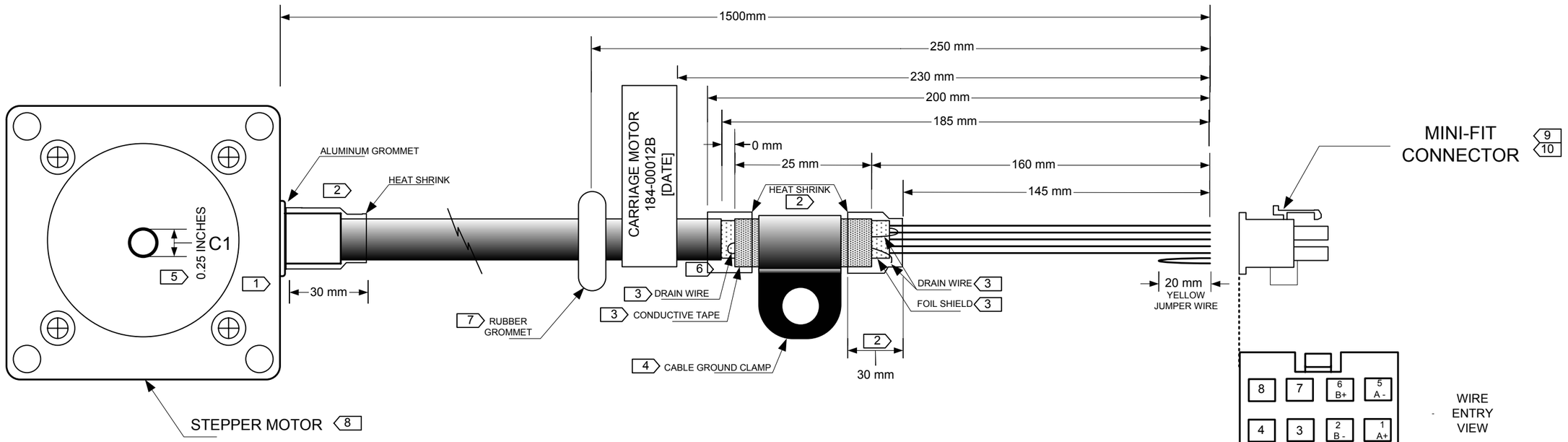


NOTES:

1 1. DRAIN WIRE CONNECTED INSIDE MOTOR END CAP WITH RING TERMINAL AND #4-40 SCREW.

2 2. ALUMINUM GROMMET (mfr. specified) TO BE SECURED TO CABLE WITH ACRYLIC ADHESIVE (LOCTITE 324 AND ACTIVATOR 7075), AND 30 mm LENGTH OF ADHESIVE LINED HEAT SHRINK TUBING. CABLE TO WITHSTAND 10# PULL. USE THE SAME SHRINK WRAP ON THE END OF THE CABLE AS WELL BY USING TWO 30 mm LENGTHS OF SHRINK WRAP ON EITHER SIDE OF THE CABLE CLAMP. SEE STEP 4. BELOW.

3 3. (a) REMOVE 185 mm OF CABLE'S PVC JACKET FROM THE END OF THE CABLE AND CONNECT THE CONDUCTORS TO THE CONNECTOR AS SPECIFIED IN TABLE 1. TAKE CARE TO NOT DAMAGE THE FOIL SHIELD.
(b) CUT 125 mm OF THE FOIL FROM THE END OF THE CABLE AND WRAP HALF OF THE REMAINING 60 mm OF FOIL BACK OVER ITSELF EXPOSING THE CONDUCTIVE SIDE OF THE FOIL.
(c) CUT 95 mm OFF THE DRAIN WIRE. BEND THE REMAINING 90 mm INTO 3 SECTIONS AS SHOWN.
(d) INSTALL THE CONDUCTIVE TAPE BY TIGHTLY WRAPPING 250 mm OF TAPE AROUND THE EXPOSED FOIL AND DRAIN WIRE. KEEP THE CONDUCTIVE TAPE AS CLOSE AS POSSIBLE TO THE PVC JACKET.

4 7 4. INSTALL THE RUBBER GROMMET, LABEL AND HEAT SHRINK. INSTALL THE CABLE CLAMP BY PLACING IT OVER THE CONDUCTIVE TAPE AND BEND IT AROUND THE TAPE TO ENSURE THAT IT DOES NOT FALL OFF. (ADD MORE OR LESS TAPE TO ENSURE SECURITY OF THE CLAMP). ALSO ENSURE THAT THE TAB IS FACING DOWN WITH THE CREASE VISIBLE AS SHOWN.

5 5. MOTOR SHAFT DIAMETER TO BE 0.25 INCHES +0/-0.0005" (C1). MOTOR SHAFT RUN-OUT TO BE NOT GREATER THAN 0.001 INCHES MAX.

6 6. IMPORTANT!! THIS DRAWING IS “NOT TO SCALE”. THERE SHOULD BE LITTLE OR NO FOIL SHIELD SHOWING BETWEEN THE JACKET AND CONDUCTIVE TAPE ONCE THE TAPE HAS BEEN INSTALLED.

TABLE 1

CONNECTOR PINOUT CHART

PIN #	LEAD COLOR	
(PH-A+) 1	WHITE	#18 AWG
(PH-B -) 2	RED	#18 AWG
3 TO 8	YELLOW	#18 jumper
4	blank	
(PH-A -) 5	GREEN	#18 AWG
(PH-B+) 6	BLACK	#18 AWG
7	blank	

CABLE SPECIFICATIONS:

Four Conductor # 18 AWG Stranded
Insulated with 75 degree C PVC jacket
Foil Shield with # 18 AWG Drain wire.
UL TYPE CM, AWM Style 2464
CSA CMG FT4
UL VW-1 Flame Test
CSA FT4 Flame Test

RECOMMENDED CABLE OR EQUIVALENT:

ALPHA XTRA-GUARD 1 - 5384C
(CREO p/n: 16-4575

MANUFACTURER’S DATA

3 Conductive Fabric Tape: Chomerics Europe. Part #: CFT-36-101-0100 (CREO 82-1041)
4 Cable Clamp: Keystone Electronics Corp. Part #: 8102 (CREO 18-3339)
7 GROMMET, .25ID,1.25OD,1" HOLE,1/16 MAT,THICK (CREO p/n 59-3480)
MFR. p/n: RUBBBERCRAFT: 11-139
MFT. p/n: McMASTER-CARR SUPPLY: 9307K76

8 STEPPER MOTOR: MFR. p/n: LIN ENG. 5618C-02P (CREO p/n: 184-00012B)
9 CONNECTOR HSG: MOLEX MINI-FIT P/N: 39-01-2080 (CREO p/n: 16-4181)
10 PINS: MOLEX P/N: 44476-1112 (CREO p/n: 194-00002)

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LIN 5618C-02P
STEPPER MOTOR
ASSEMBLY DRAWING

DESIGNED BY	DRAWN BY			
C.RUECK	C.RUECK			
MILLIMETERS UNLESS SPECIFIED	DATE JULY. 25, 2003	SIZE B	SCALE NTS	
PART NO.	REV	DOC	SHEET	OF
184 - 00012B	- A	AD	1	1