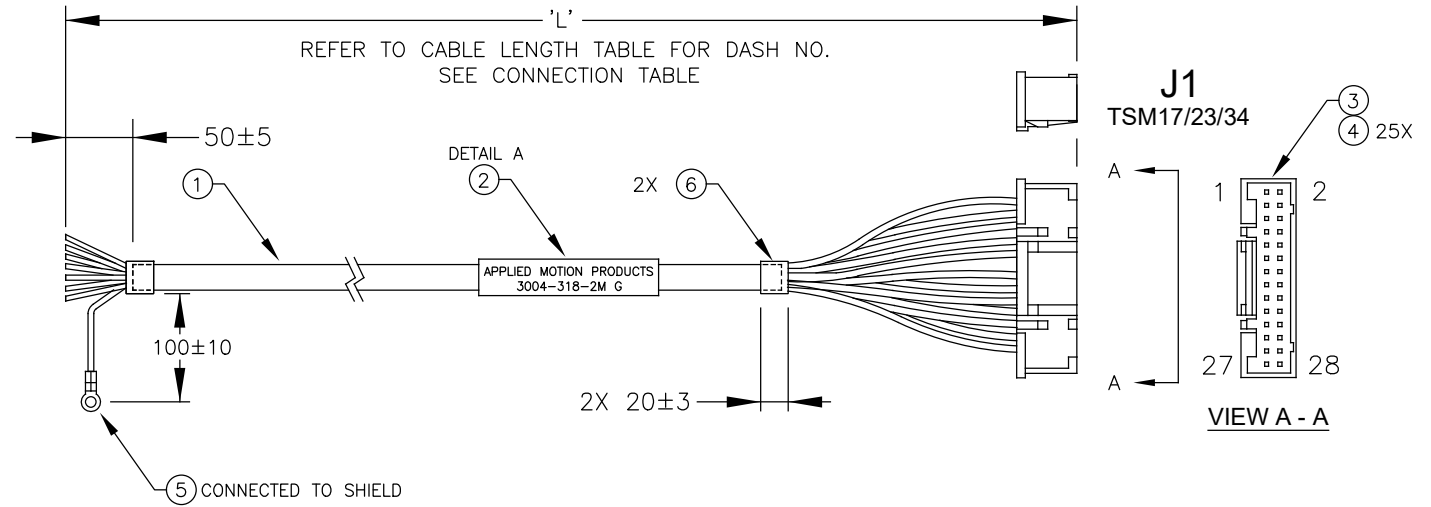


**NOTES: UNLESS OTHERWISE SPECIFIED**

1. THIS CABLE IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EC RoHS DIRECTIVE.
2. TEST 100% FOR OPENS (>1 OHMS MAX) AND SHORTS (5 MEGOHMS MIN)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE ECO 7290	8/26/15	J KORDIK
B	REVISED PER MFRG ECO 7339	10/22/15	J KORDIK
C	REVISED PER MFRG ECO 7XXX	11/5/15	J KORDIK
D	REVISED RoHS NOTE - ECO 7451	6/13/16	J KORDIK
E	Removed sizes from T.B./ECO 7645	5/17/17	L LIU
F	ADD TABULATION CHART-ECO 7937	4/27/18	J Georgiana
G	ADD MDX SIGNALS-ECO 8276	7/2/19	L LIU

CABLE LENGTH TABLE FINISHED LENGTH ± 2% TOTAL	
MARK PART NO	'L'
3004-318-2M	6.56 FEET (2M)
3004-318-3M	9.84 FEET (3M)
3004-318-5M	16.4 FEET (5M)
3004-318-10M	32.8 FEET (10M)
3004-318-15M	49.2 FEET (15M)
3004-318-20M	65.6 FEET (20M)
3004-318-25M	82.0 FEET (25M)



APPLIED MOTION PRODUCTS  
3004-318-2M G

LABEL DETAIL A

J1 CONNECTIONS			
PIN NO:	TSM SIGNAL	MDX SIGNAL	WIRE COLOR
1	X1+	X1+	BLUE/WHITE
2	X1-	X1-	BLUE/BLACK
3	X2+	X2+	GREEN/WHITE
4	X2-	X2-	GREEN/BLACK
5	X3	X3	BLUE
6	X4	X4	VIOLET
7	X5	X5	YELLOW
8	X6	X6	GREEN
9	XCOM	XCOM	ORANGE
10	+5V	+5V	RED
11	AIN	AIN1	WHITE
12	GND	GND	BLACK
13	X7+	X7+	BROWN/WHITE
14	X7-	X7-	BROWN/BLACK
15	X8+	X8+	GREY/WHITE
16	X8-	X8-	GREY/BLACK
17	Y1	Y1	BROWN
18	Y2	Y2	GREY
19	Y3	Y3	PINK
20	YCOM	YCOM	YELLOW/GREEN
21	Y4+	Y4	VIOLET/WHITE
22	Y4-	AIN2	VIOLET/BLACK
23	Z+	Z+	YELLOW/WHITE
24	Z-	Z-	N/C
25	B+	B+	ORANGE/WHITE
26	B-	B-	N/C
27	A+	A+	RED/WHITE
28	A-	A-	N/C

BILL OF MATERIALS					
ITEM	PART NUMBER	DESCRIPTION	QTY	UOM	MFR
1	20276-004 OR EQUIV.	CABLE, 25 CONDUCTOR, 26AWG	A/R	EA	UL 20276 OR EQUIV.
2	LAT-27-361	LABEL, 1.875" X 3.167"	1	EA	BRADY OR EQUIV.
3	PUDP-28V-S	HOUSING, CONNECTOR, 2MM PITCH	1	EA	JST OR EQUIV.
4	SPUD-001T-P0.5	TERMINALS, CRIMP	25	EA	JST OR EQUIV.
5	8-34105-1	RING TERM, 22-16 AWG, #6 STUD, UNINSULATED	1	EA	AMP OR EQUIV
6	FIT-221-1/4-BLK	SHRINK TUBE	A/R	EA	ALPHA OR EQUIV.

TOLERANCES	THIRD ANGLE PROJECTION	
DECIMALS: MM X.XXX = ±0.013 X.XX = ±0.25 X.X = ±2.5		
ANGLES: MACH. = ±5° CHAM. = ±5°	APPROVALS	DATE
	DRAWN <i>R.JONEZ</i>	8/26/15
	CHECKED	
COMPUTER DATA BASE DRAWING	APPROVED	

APPLIED MOTION PRODUCTS, INC.

**CABLE, TSM,  
I/O FLYING LEADS**

B DWG NO. **3004-318-XXX** REV **G**

SCALE: NONE SHEET 1 OF 1