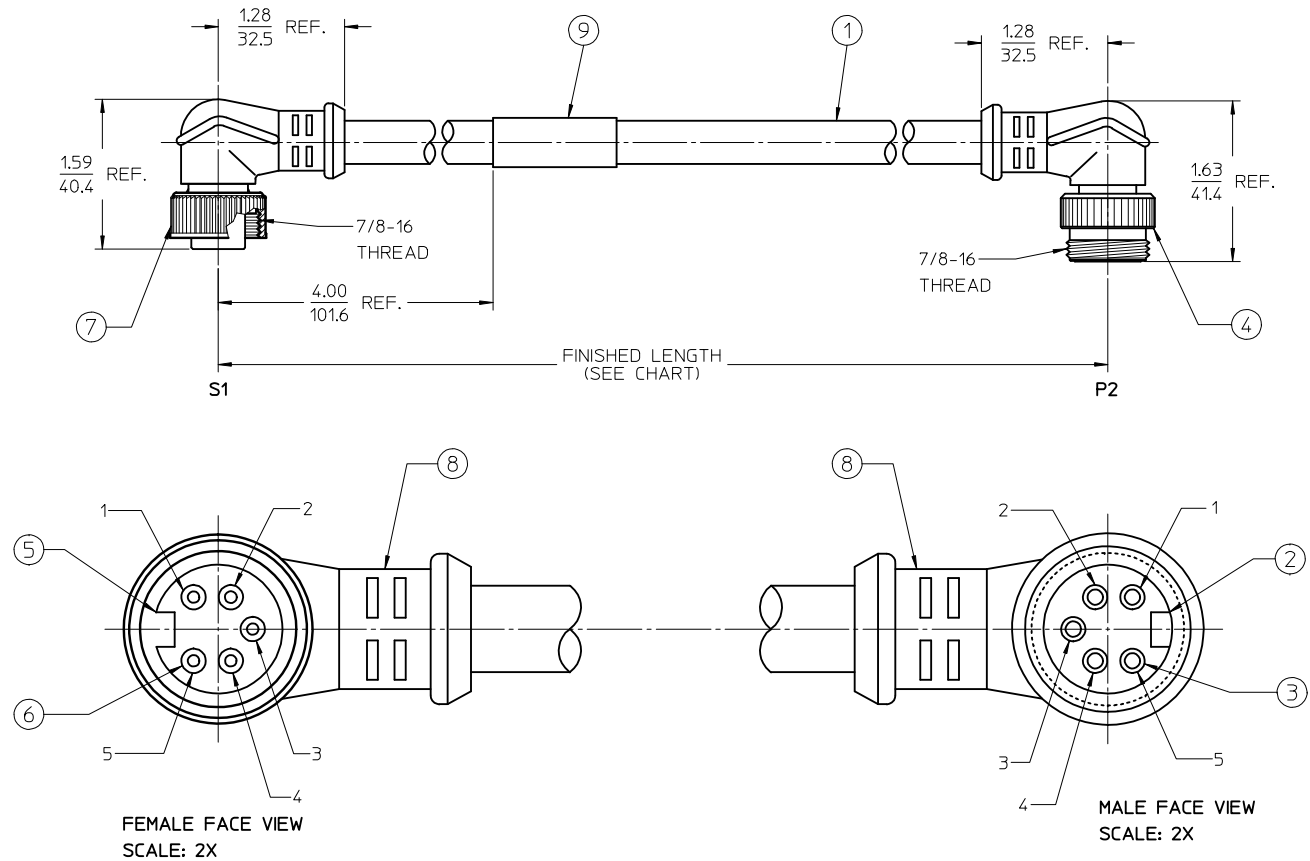


NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. ELECTRICAL SPECIFICATIONS
VOLTAGE RATING: 300V AC/DC
CURRENT RATING: 8 AMPS
4. PROTECTION: IP67
5. ASSEMBLY IS RoHS COMPLIANT
BY EXEMPTION



⑧ CABLE ASSY TYPE:
MIN-CHANGE 5P
FEMALE 90° TO
MALE 90° EXT THD.

16AWG PUR
GRAY

FINISHED LENGTH
M005: 0.5 METERS
M010: 1.0 METERS
M100: 10.0 METERS

S1	P2
1 BLACK	1
2 BLUE	2
3 GREEN/YELLOW	3
4 BROWN	4
5 WHITE	5

WIRING DIAGRAM

9	1	WRAP LABEL	MYLAR	BLACK/YELLOW
8	2	OVERMOLD-90 DEG	PUR	BLACK
7	1	COUPLING RING-INT. THREAD	ZINC DIE-CAST	BLACK
6	5	CONTACT SOCKET	Cu ALLOY	GOLD PLATED
5	1	INSERT, 5P-FEMALE	PUR	BLACK
4	1	COUPLING RING-EXT. THREAD	ZINC DIE-CAST	BLACK
3	5	CONTACT PIN	Cu ALLOY	GOLD PLATED
2	1	INSERT, 5P-MALE	PUR	BLACK
1	A/R	CABLE 5/C, 1.5mm ² (16 AWG)	PUR JACKET	GRAY
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ADDED PART NO. MATRIX EC NO: IPG2016-1424 DRWNGGUSTAFSON 2016/04/20 CHKD:MZLELINSKI 2016/05/12 APPR:BRUPERT 2016/04/28	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY RSTONE	DATE 2012/10/22	TITLE MINI-CHANGE CABLE ASSY. 5P MALE/FEMALE 90 DEG (16 AWG) PUR				
			4 PLACES	± ---	± ---	CHECKED BY K JOZWIK	DATE 2012/11/26					
			3 PLACES	± ---	± ---	APPROVED BY JFMURPHY	DATE 2012/12/18					
			2 PLACES	± ---	± .01	MATERIAL NO. -----	DOCUMENT NO. SD-130010-025					
			1 PLACE	± 0.3	± ---		SHEET NO. 1 OF 1					
			0 PLACE	± ---	± ---							
			ANGULAR ± 2 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			REV									

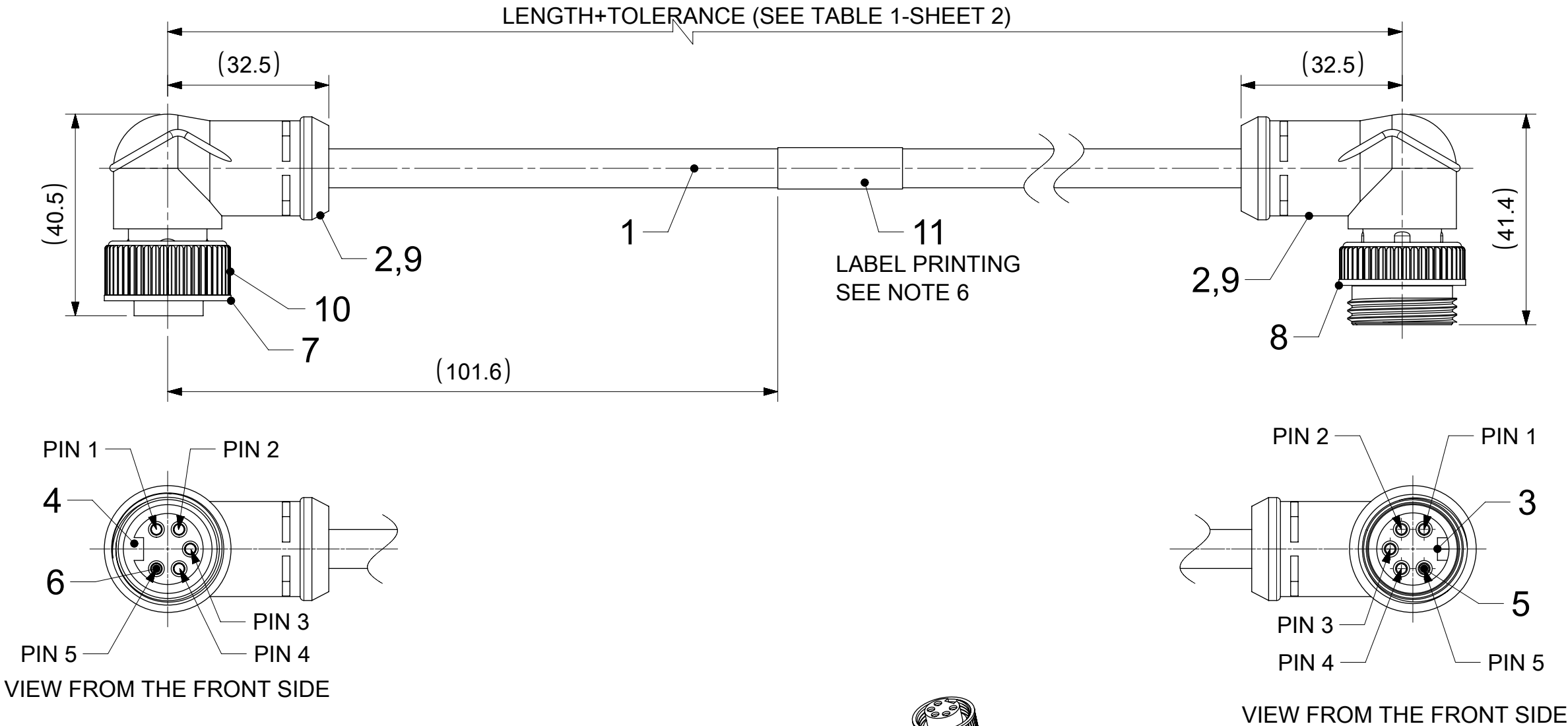
NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:

CABLE TYPE (SEE SHEET 2)

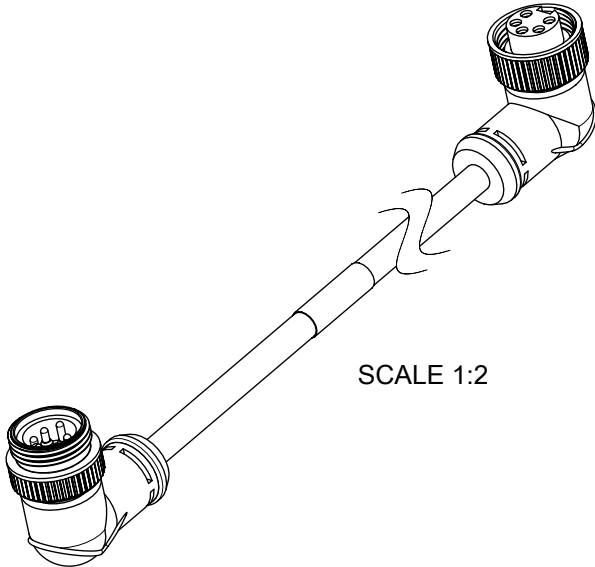
CURRENT: 10 A
4. PROTECTION: IP67 (WHEN MATED)
5. UL CERTIFICATION: UL LISTED, FILE NO. E152210
6. LABEL PRINTING ACC. STANDARD LABEL INSTRUCTION (SEE SHEET 2)

WIRING DIAGRAM



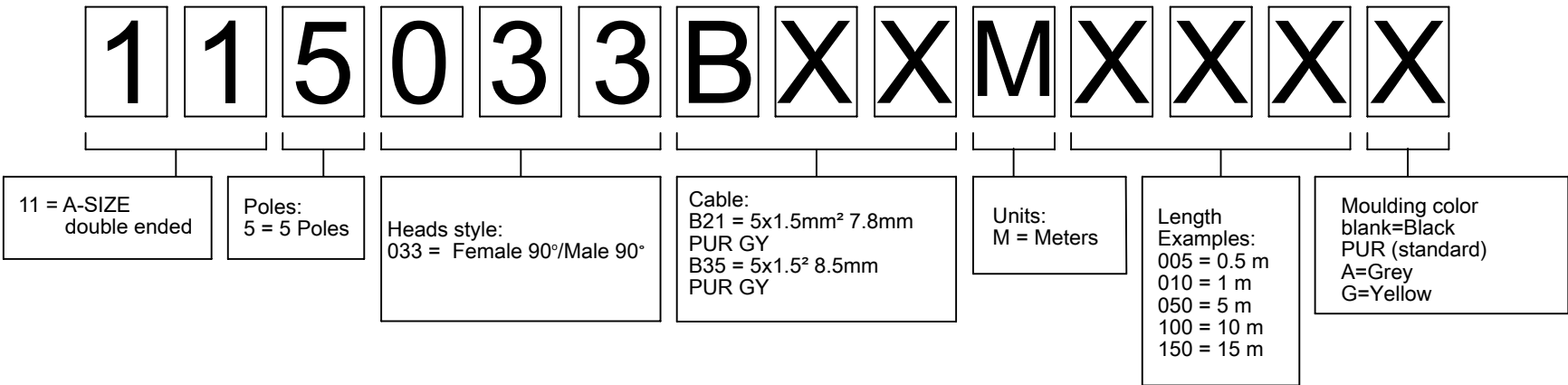
BILL OF MATERIAL

11	1	LABEL;2.0X1.75;WRAP	VINYL	YELLOW
10	1	FRICTION RING - A SIZE	NYLON	-
9	-	TAPE;0.165MMx9MM	POLYSILOXANE	WHITE
8	1	MC COUPLING NUT A-SIZE	ZINC	BLACK
7	1	COUPLING NUT MC A-SIZE EXT.THd	ZINC	BLACK
6	5	MC SOCKET SLEEVE ASSY, 16 AWG	BRASS	GOLD
5	5	MC PIN CONTACT 16AWG	BRASS	GOLD
4	1	5P FEMALE INSERT A SIZE	PUR	BLACK
3	1	5P MALE INSERT A SIZE	PUR	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 5/C, OD=8.5mm	TPU	GRAY
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
DOCUMENT STATUS	P1	RELEASE DATE	2023/04/27	12:11:52



FUNCTIONAL SYMBOLS F_A = 0 F_E = 0 F_P = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE SPEC UPDATED, LABEL PRINTING ADDED					molex CSE MC 5P A-SIZE FE RA MA RA TPU XM					
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 747270 DRWN: RSCHIEBER2023/04/21 CHK'D: RSILLER2023/04/27 APPR: RSILLER2023/04/27 INITIAL REVISION: DRWN: RSTONE2013/12/09 APPR: JFMORPHY2013/12/16					PRODUCT CUSTOMER DRAWING					
	ANGULAR TOL ± 1.0 °														
	4 PLACES		±												
	3 PLACES		±												
	2 PLACES		± 0.05												
	1 PLACE		± 0.3		DOCUMENT NUMBER SD-130010-031					DOC TYPE PSD		DOC PART 001		REVISION A3	
	0 PLACES		± 0.5												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 130010		MATERIAL NUMBER SEE TABLE 1		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 2	

PART No. MATRIX



CABLE TYPE	No. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP / BENDING RADIUS	VOLTAGE
B21	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 80°C	-5 °C TO +80 °C	300 V
B35	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 90°C	-25 °C TO +80 °C	600 V

TABLE 1

MOLEX PN	ENGINEERING NO.	L+Tol.[mm]
1300108036	115033B21M010	1000 +56
1300108037	115033B21M020	2000 +89
1300108038	115033B21M030	3000 +89
1300108039	115033B21M050	5000 +165
1300108040	115033B21M100	10000 +317
1300108041	115033B21M150	15000 +610
1300108042	115033B21M200	20000 +610
1300108051	115033B35M010	1000 +56
1300108052	115033B35M020	2000 +89
1300108053	115033B35M030	3000 +89
1300108054	115033B35M050	5000 +165
1300108055	115033B35M100	10000 +317
1300108056	115033B35M150	15000 +610
1300108057	115033B35M200	20000 +610

