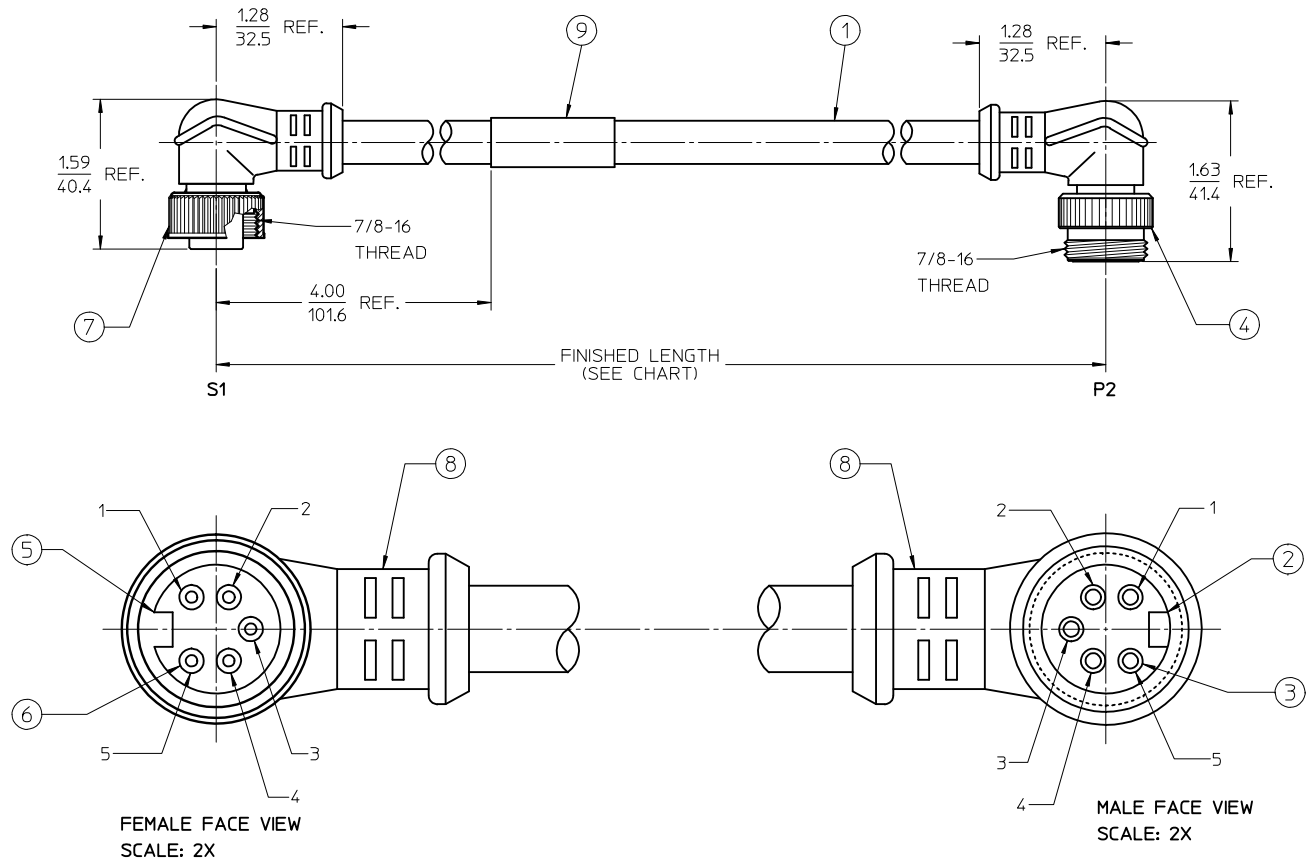


NOTES:

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	1
2	2
3	3
4	4
5	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 DRAWING: GUSTAFSON 2016/04/20 CHKD: MZIELINSKI 2016/05/12 APPR: BRUPERT 2016/04/28	REV B	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 molex DOCUMENT NO. SD-130010-025 SHEET NO. 1 OF 1			
			4 PLACES	± ---	± ---	CHECKED BY K JOZWIK	DATE 2012/11/26				
			3 PLACES	± ---	± ---	APPROVED BY JFMURPHY	DATE 2012/12/18				
			2 PLACES	± ---	± .01	MATERIAL NO. -----					
			1 PLACE	± 0.3	± ---						
			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			

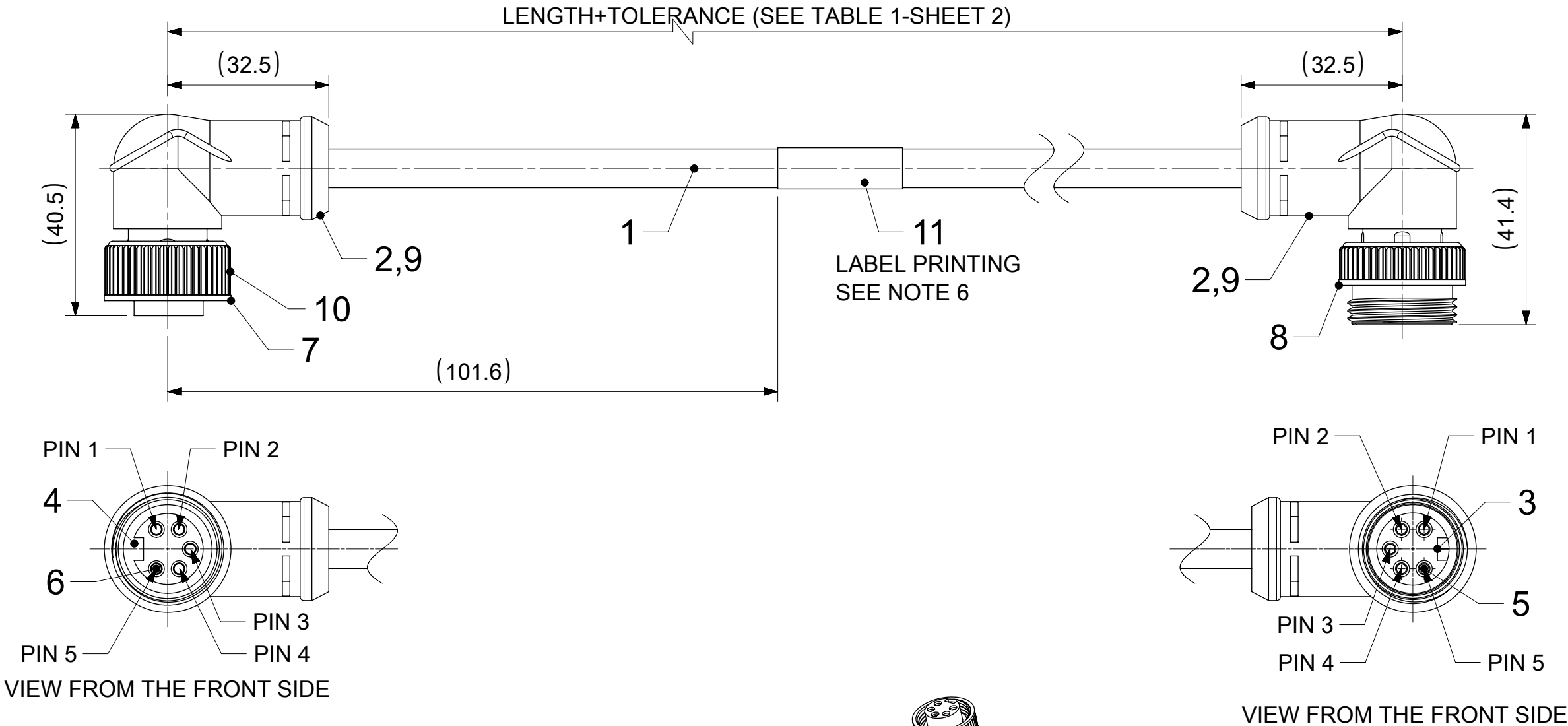
NOTES:

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)

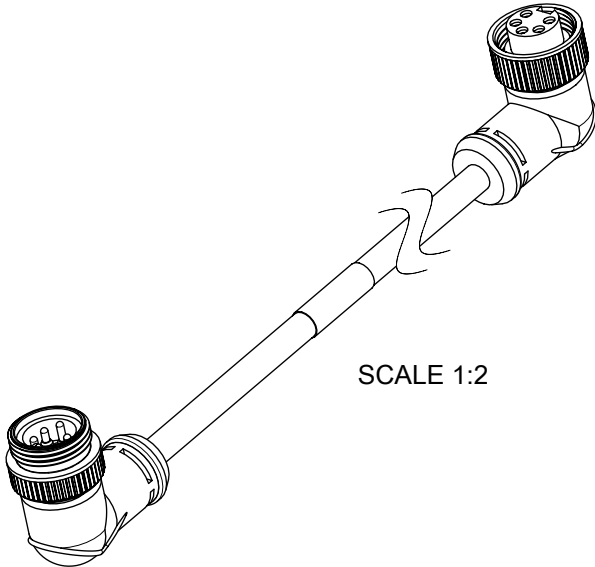
WIRING DIAGRAM



BILL OF MATERIAL

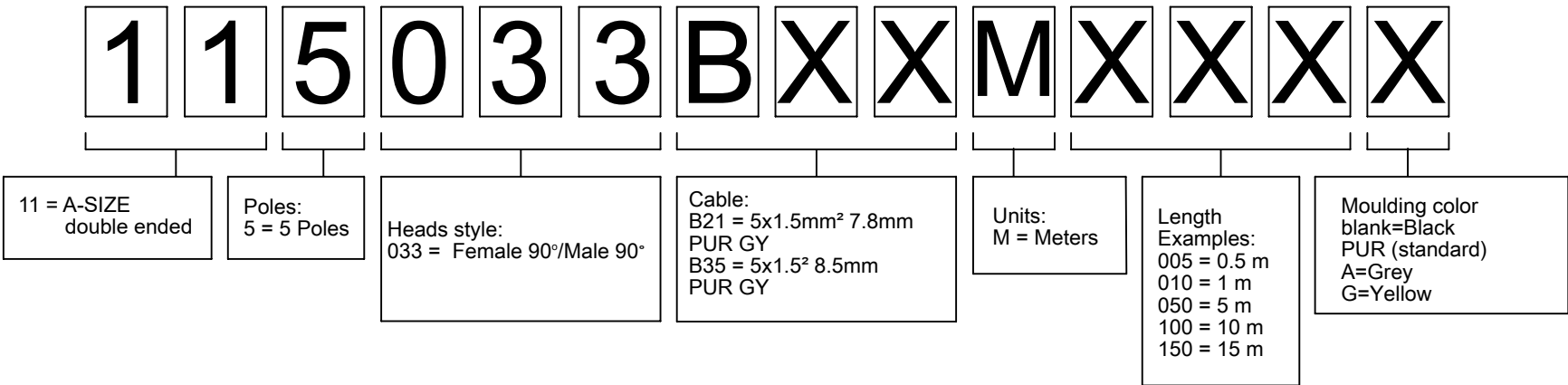
11	1	LABEL;2.0X1.75;WRAP	VINYL	YELLOW
10	1	FRICTION RING - A SIZE	NYLON	-
9	-	TAPE;0.165MMx9MM	POLYSILOXANE	WHITE
8	1	MC COUPLING NUT A-SIZE	ZINC	BLACK
7	1	COUPLING NUT MC A-SIZE EXT.THd	ZINC	BLACK
6	5	MC SOCKET SLEEVE ASSY, 16 AWG	BRASS	GOLD
5	5	MC PIN CONTACT 16AWG	BRASS	GOLD
4	1	5P FEMALE INSERT A 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
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FUNCTIONAL 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				
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 747270 DRWN: RSCHIEBER 2023/04/21 CHK'D: RSILLER 2023/04/27 APPR: RSILLER 2023/04/27			CSE MC 5P A-SIZE FE RA MA RA TPU XM						
ANGULAR TOL ± 1.0 °												
4 PLACES ±		PRODUCT CUSTOMER DRAWING										
3 PLACES ±												
2 PLACES ± 0.05												
1 PLACE ± 0.3												
DIVISIONAL SYMBOLS	0 PLACES ± 0.5		INITIAL REVISION: DRWN: RSTONE 2013/12/09 APPR: JFMURPHY 2013/12/16			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SD-130010-031		PSD	001	A3		
	THIRD ANGLE PROJECTION					DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						A3-SIZE	130010	SEE TABLE 1		GENERAL MARKET		1 OF 2

PART No. MATRIX

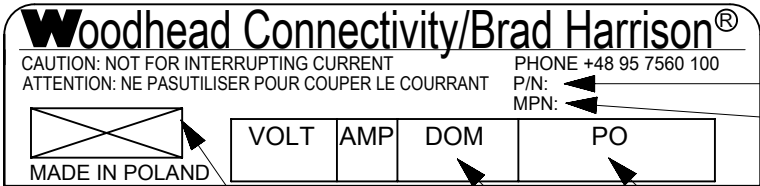


CABLE TYPE	No. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP / BENDING RADIUS	VOLTAGE
B21	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 80°C	-5 °C TO +80 °C	300 V
B35	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 90°C	-25 °C TO +80 °C	600 V

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

LABEL PRINTING



ENGINEERING NO.
MOLEX PN

PO NO.
PRODUCT. DATE

CERTIFICATION SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE SPEC UPDATED, LABEL PRINTING ADDED		molex		
FA = 0 FE = 0 FP = 0	mm		1:1		CSE MC 5P A-SIZE FE RA MA RA TPU XM				
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 1.0 °				EC NO: 747270 DRWN: RSCHIEBER 2023/04/21 CHK'D: RSILLER 2023/04/27 APPR: RSILLER 2023/04/27					
DIVISIONAL SYMBOLS	4 PLACES ±								
	3 PLACES ±								
	2 PLACES ± 0.05								
	1 PLACE ± 0.3								
	0 PLACES ± 0.5								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		130010	
						MATERIAL NUMBER		CUSTOMER	
						SEE TABLE 1		GENERAL MARKET	
								SHEET NUMBER	
								2 OF 2	