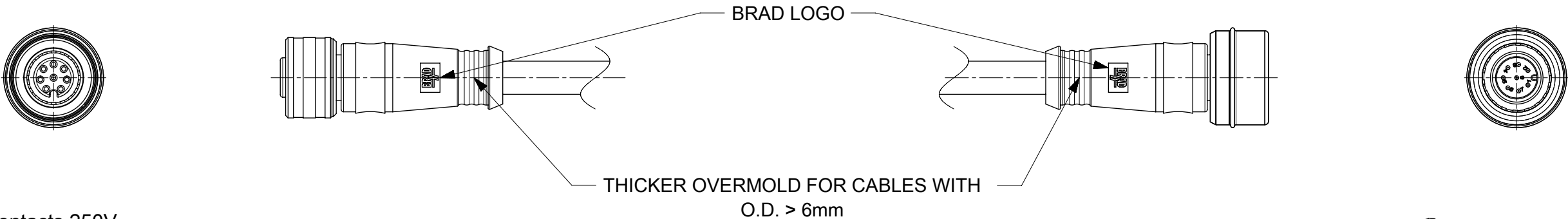
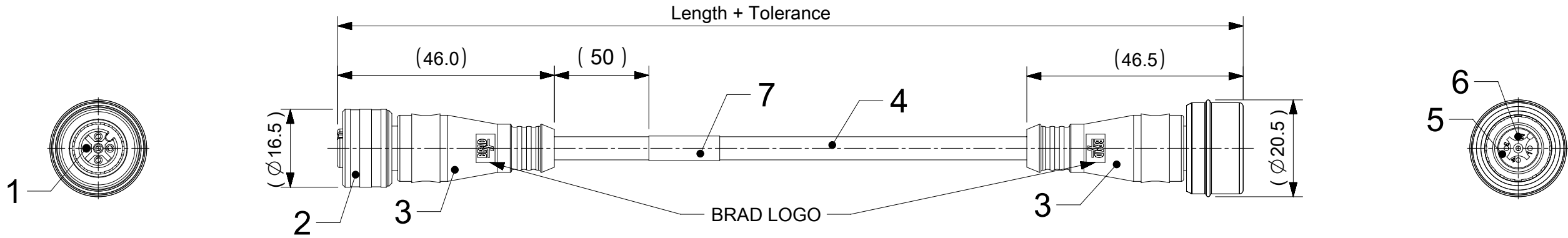
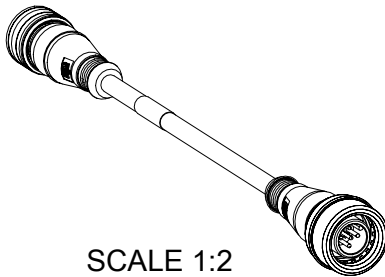


FEMALE PLUG M12U STRAIGHT TO MALE PLUG M12U STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°C



CONTACTS POSITION FRONT VIEW:

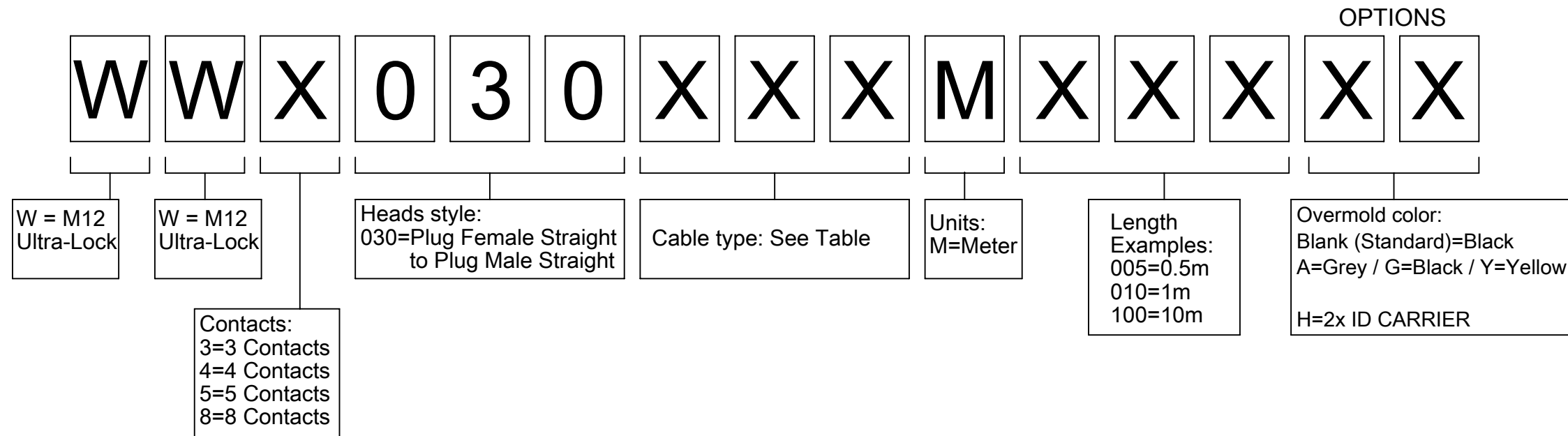
	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	-	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
					5	GREY OR GREEN/YELLOW	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YELLOW	VINYL	-
6	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE GOLD OVER NICKEL
5	1	PLUG U12 MALE XP	PUR, BRASS	-
4	-	CABLE	SEE SHEET 2	-
3	-	OVERMOULDING BLACK	TPU	-
2	1	PLUG U12 FEMALE XP	PUR, BRASS	-
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	SELECTIVE GOLD OVER NICKEL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIVISIONAL SYMBOLS	EC NO: 695694	molex		
	DRWN: MDHARMANTI			
	CHK'D: RSILLER	CSE U12 XP AC STR PUR/PVC MA XP STR XM DE		
	APPR: RSILLER	PRODUCT CUSTOMER DRAWING		
	INITIAL REVISION:	DOCUMENT NUMBER		
	DRWN: MDHARMANTI	1200805076		
	APPR: RSILLER	PSD 000 A		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SHEET NUMBER

ENGINEERING NO. - NUMERICAL CODE



CABLE INFORMATION

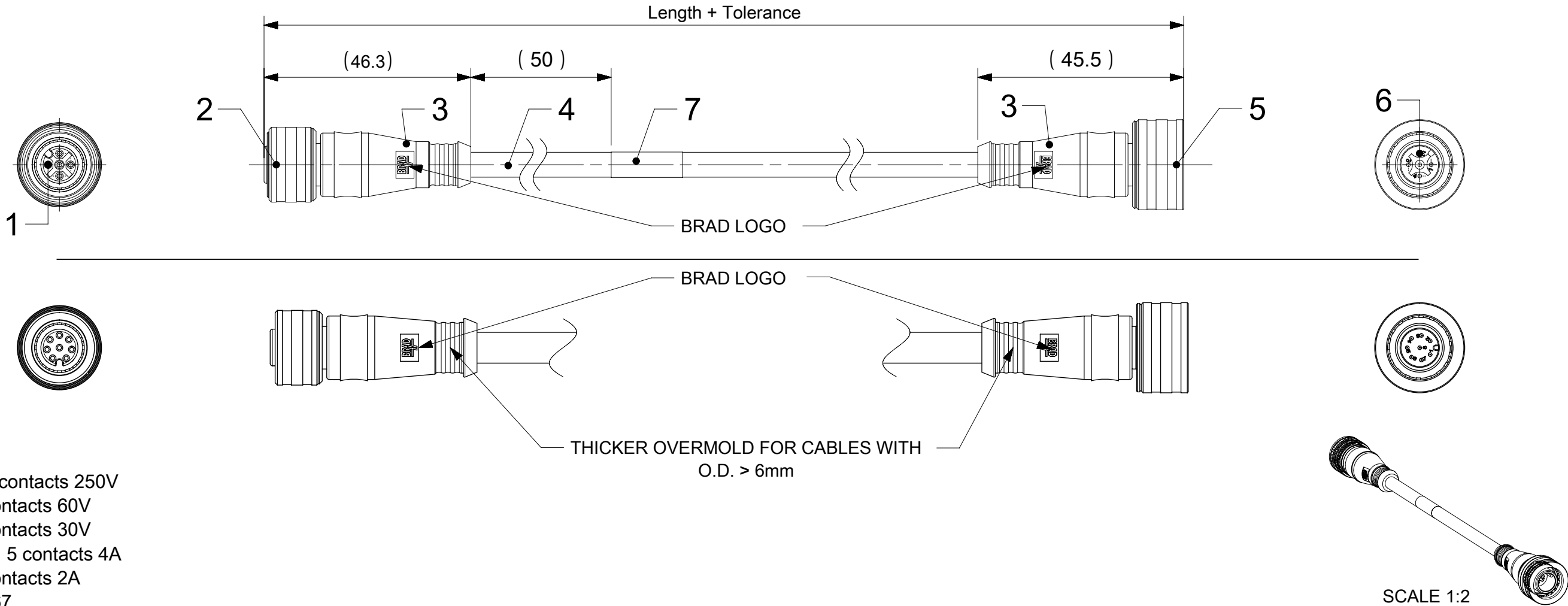
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P82	5	0.34mm²	PUR / IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of finished length

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: MALE PLUG UPDATED			molex							
F A = 0	mm		1:1												
F C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)														
F E = 0	ANGULAR TOL ± 1.0 °														
DIVISIONAL SYMBOLS	4 PLACES		±					EC NO: 695694 DRWN: MDHARMANTI 2022/01/21 CHK'D: RSILLER 2022/02/15 APPR: RSILLER 2022/02/15			CSE U12 XP AC STR PUR/PVC MA XP STR XM DE				
	3 PLACES		±												
	2 PLACES		± 0.05												
	1 PLACE		± 0.3		PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER 1200805076			DOC TYPE PSD	DOC PART 000	REVISION A		
	0 PLACES		± 0.5												
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING A3-SIZE		SERIES 120080		MATERIAL NUMBER SEE MATRIX		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 3

FEMALE PLUG M12U STRAIGHT TO MALE PLUG M12U STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°C

CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	-	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
					5	GREY OR GREEN/YELLOW	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YELLOW	VINYL	-
6	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE GOLD OVER NICKEL
5	1	PLUG U12 MALE XP	PUR, BRASS	-
4	-	CABLE	SEE SHEET 2	-
3	-	OVERMOULDING BLACK	TPU	-
2	1	PLUG U12 FEMALE XP	PUR, BRASS	-
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	SELECTIVE GOLD OVER NICKEL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
QUALITY SYMBOLS		2018/06/21 2018/06/27 2018/06/28 EC NO: 178454 DRWN: SSM CHK'D: SSM REV APPR: RSILLER				GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® M12U-XP-FE-STR-XP-M-STR-XM									
FA = 0								mm		1:1											
FE = 0						ANGULAR TOL ± 1.0 °											DRWN BY		DATE		
FP = 0						4 PLACES		±		MKOWALCZYK01		2017/05/18									
▼ = 0						3 PLACES		±		CHK'D BY		DATE									
C = 0						2 PLACES		± 0.05		APPR BY		DATE									
X = 0						1 PLACE		± 0.3		MIWASIECZKO		2017/05/31		PRODUCT CUSTOMER DRAWING							
■ = 0						0 PLACES		± 0.5		DRAWING SIZE		THIRD ANGLE PROJECTION							SERIES		MATERIAL NUMBER
V = 0						A2		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3				120080		SEE MATRIX		GENERAL MARKET	
																DOCUMENT NUMBER		DOC TYPE		DOC PART	
												1200805076		PSD		00P		1 OF 3			

E



C

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B

AA1

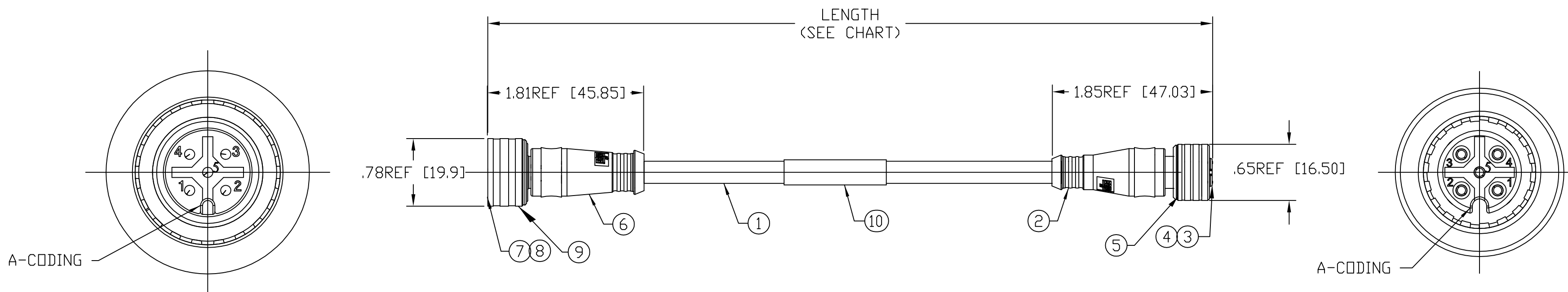
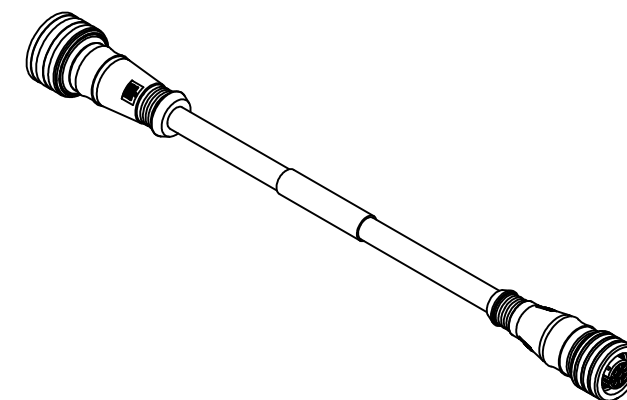
A

RELEASE STATUS	P1	RELEASE DATE	2018/06/28	06:17:11
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A

FORMAT: master-tb-prod-A4
REVISION: G
DATE: 2017/02/06

13	12	11	10	9	8	7	6	5	4	3	2	1
PART NUMBER	ENGINEERING NO.	LENGTH										
1200805044	WW4030P03M006	2' 0" +1.8 - 0 [.6M +45MM - 0]										
1200805045	WW4030P03M010	3' 3" +2.2 - 0 [1M +55MM - 0]										
1200805018	WW4030P03M020	6' 6" +3.5" - 0 [2M +90MM - 0]										
1200805046	WW4030P03M030	9' 8" +3.5" - 0 [3M +90MM - 0]										
1200805047	WW4030P03M040	13' 1" +6.5" - 0 [4M +150MM - 0]										
1200805048	WW4030P03M050	16' 4" +6.5" - 0 [5M +150MM - 0]										



NOTES:

1) MATERIAL: SEE TABLE

2) FINISHES: SEE TABLE

3) WRAP LABEL IS MARKED WITH P/N, DATE CODE, VOLTAGE & AMPERAGE.

4) MATES WITH: MICRO CHANGE, 4 POLE RECEPTACLE

5) ELECTRICAL DATA:
 INLINE CORDSET
 MALE A-CODING TO FEMALE A-CODING
 22AWG UNSHIELDED
 POLES: 4
 MAX. VOLTAGE: 250V
 MAX. CURRENT 4A
 CONTACT RESISTANCE: <5M Ohm
 PROTECTION IP67/68/69K
 TEMPERATURE RANGE: -20°C TO 80°C

6) PACKAGING:
CABLE ASSEMBLIES ARE BAGGED SEPERATELY
IN POLY BAGS WITH BAR CODE LABEL ATTACHED
TO OUTSIDE OF BAG.

7)ASSEMBLY IS RoHS COMPLIANT.

P1		P2
1	BROWN	1
2	WHITE	2
3	BLUE	3
4	BLACK	4

WIRING DIAGRAM

10	1	LABEL	PLASTIC FILM	BLACK/YELLOW
9	1	MALE COUPLING NUT	BRASS	NICKEL PLATED
8	4	PIN CONTACT	COPPER ALLOY	GOLD PLATED
7	1	MALE INSERT	PUR	BLACK
6	1	MALE OVERMOLD	PUR	YELLOW
5	1	FEMALE COUPLING NUT	BRASS	NICKEL PLATED
4	4	SOCKET CONTACT	COPPER ALLOY	GOLD PLATED
3	1	FEMALE INSERT	PUR	BLACK
2	1	FEMALE OVERMOLD	PUR	YELLOW
1	1	CABLE, 22AWG-4	PUR JACKET	BLACK
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

RELEASE EC NO: WEU2010-0062 DRWN: BWOODMAN 8/19/09 CHK'D: LH APPR: JFMURPHY 2009/08/21 A	DESCRIPTION	QUALITY SYMBOL ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY BW	DATE 2009/08/19	TITLE MICRO CHANGE ULTRA LOCK 4-P MALE/FEMALE ST/ST 22/4 AWG PUR				
			4 PLACES	±---	±---	CHECKED BY LH	DATE 2009/08/19					
			3 PLACES	±.005	±.005	APPROVED BY DATE -----		molex MOLEX INCORPORATED				
			2 PLACES	±.013	±.010							
			1 PLACE	±.025	±.020	DOCUMENT NO. SD-120080-007						
			ANGULAR ±---°								SHEET NO. 1 OF 1	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						