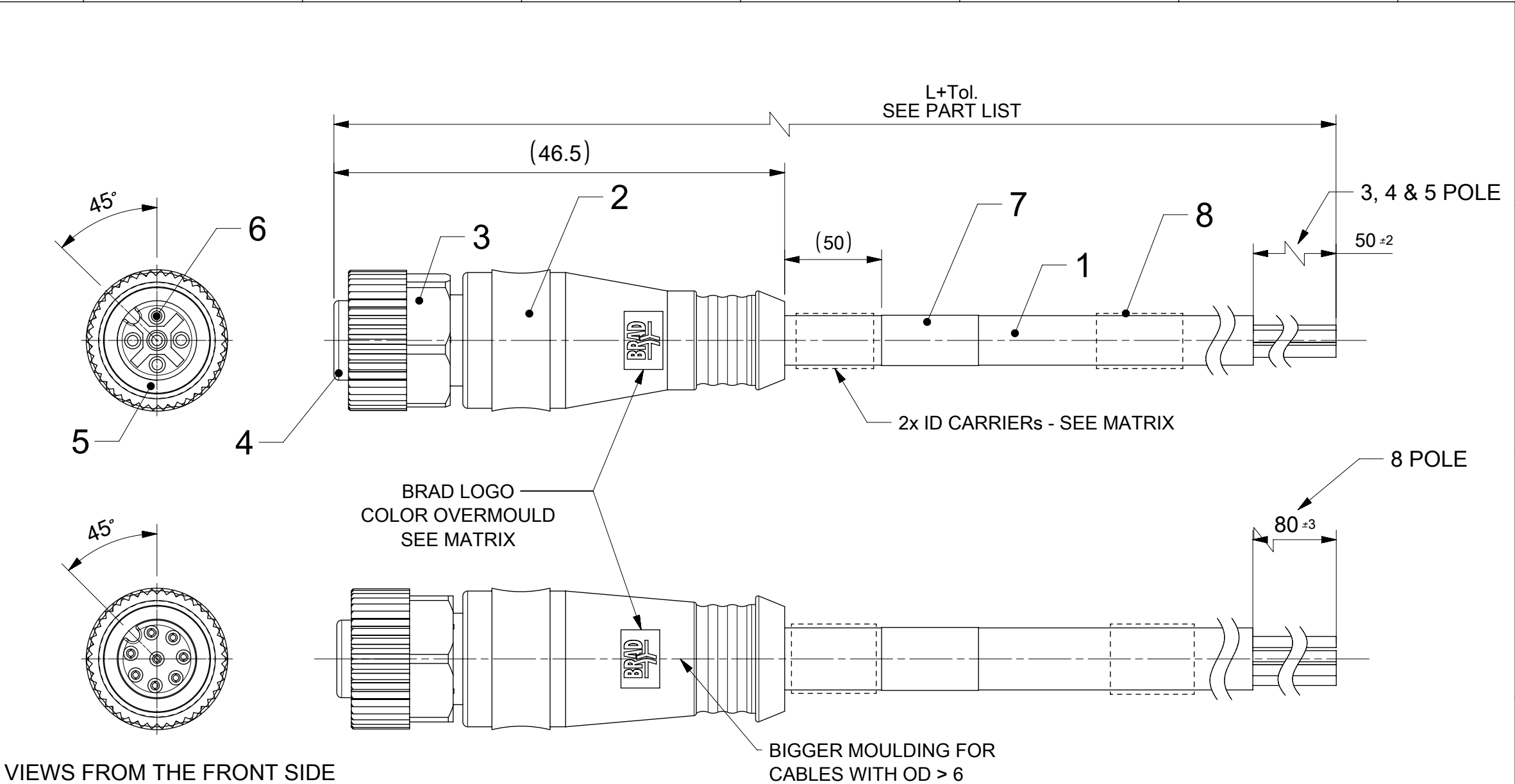
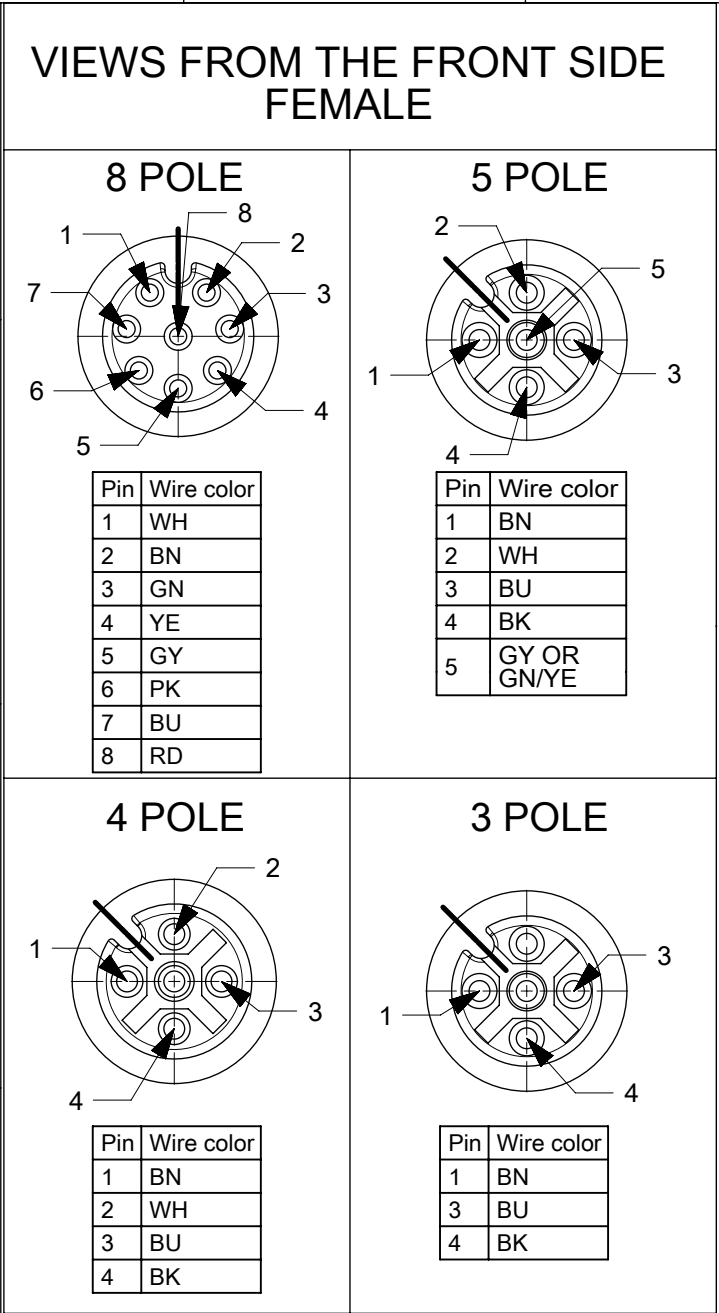
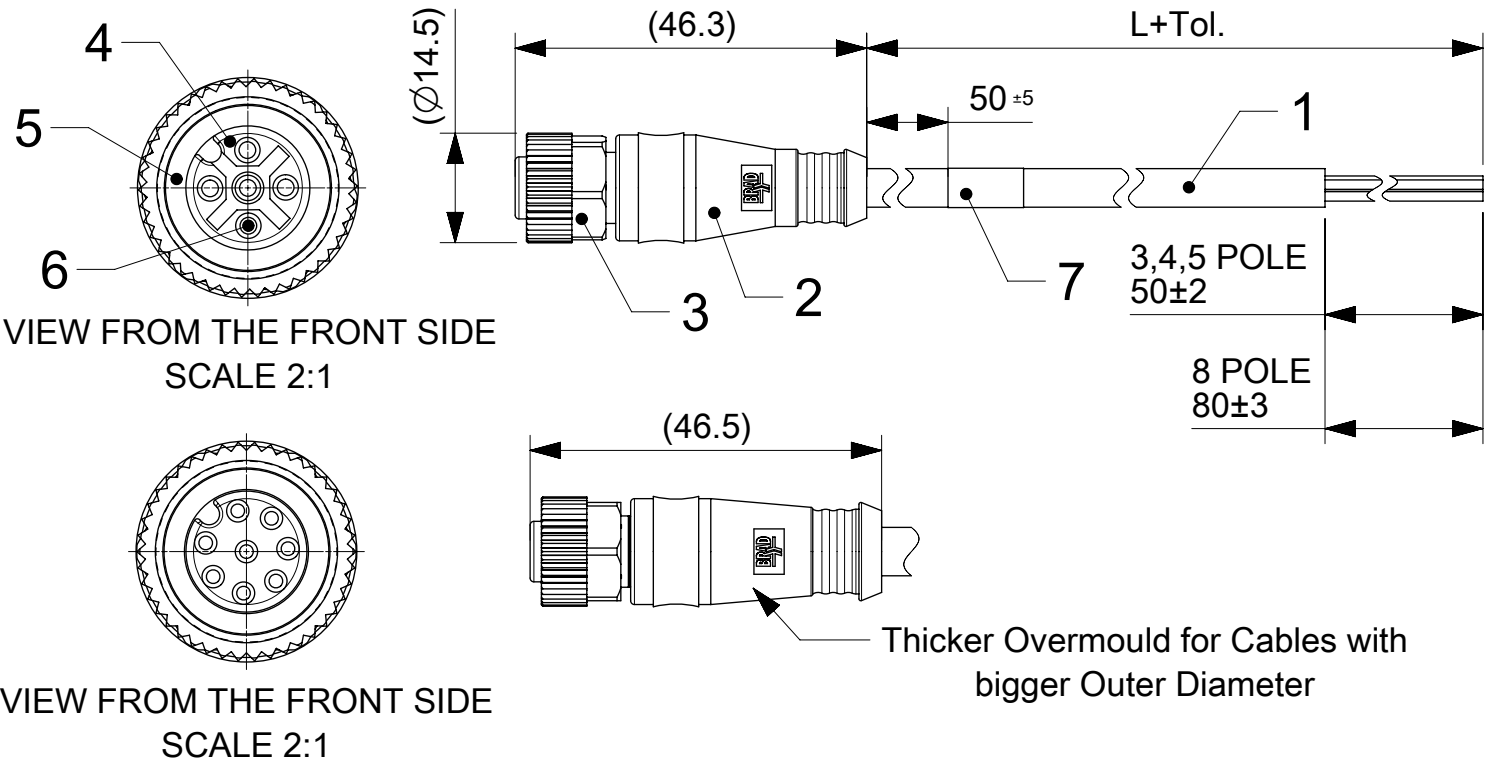


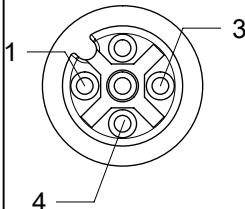
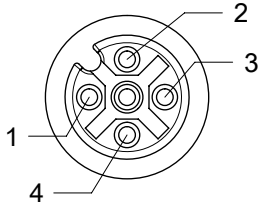
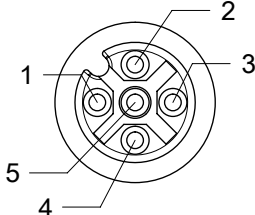
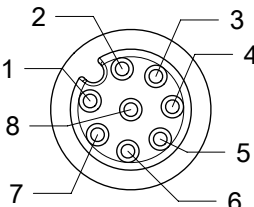


NOTES:					BILL OF MATERIAL				
TEMPERATURE RANGE : SEE CABLE LIST					8	0/2	I/D CARRIER	-	-
RATED VOLTAGE: 3, 4 contacts : 250V					7	1	LABEL	VINYL	YELLOW
5 contacts : 60V					6	3/4/5/8	CONTACTS	BRASS	GOLD OVER Ni-PLATED
8 contacts : 30V					5	1	GASKET	FPM	RED
RATED CURRENT: 3, 4, 5 contacts : 4A					4	1	FEMALE INSERT	PUR	BLACK
8 contacts : 2A					3	1	COUPLING NUT	BRASS	Ni-PLATED
INSULATION RESISTANCE: 10 ⁸ Ω MIN.					2	-	OVERMOULD	TPU	BLACK
MATING CYCLES: MIN. 100					1	-	CABLE	SEE CABLE LIST	SEE CABLE LIST
ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION					ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
DOCUMENT STATUS					FUNCTIONAL SYMBOLS				
P1					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
RELEASE DATE					CURRENT REV DESC: NEW P/N ADDED				
2024/10/14					EC NO: 801104				
10:52:34					DRWN: RSCHIEBER				
					CHK'D: RSILLER				
					APPR: RSILLER				
					INITIAL REVISION:				
					DRWN: SSM				
					APPR: RSILLER				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
					THIRD ANGLE PROJECTION				
					DRAWING				
					SERIES				
					MATERIAL NUMBER				
					CUSTOMER				
					SHEET NUMBER				
					A3-SIZE				
					120065				
					SEE PART LIST				
					GENERAL MARKET				
					1 OF 3				

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

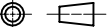


CONTACTS POSITION FRONT VIEW:

	3 CONTACTS	4 CONTACTS	5 CONTACTS	8 CONTACTS																																																
FEMALE																																																				
CONNECTIONS	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>BROWN</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></tbody></table>	PIN	WIRE	1	BROWN	3	BLUE	4	BLACK	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></tbody></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>GREY OR GREEN/YELLOW</td></tr></tbody></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREY OR GREEN/YELLOW	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>WHITE</td></tr><tr><td>2</td><td>BROWN</td></tr><tr><td>3</td><td>GREEN</td></tr><tr><td>4</td><td>YELLOW</td></tr><tr><td>5</td><td>GREY</td></tr><tr><td>6</td><td>PINK</td></tr><tr><td>7</td><td>BLUE</td></tr><tr><td>8</td><td>RED</td></tr></tbody></table>	PIN	WIRE	1	WHITE	2	BROWN	3	GREEN	4	YELLOW	5	GREY	6	PINK	7	BLUE	8	RED
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FOR OPTION SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YE	VINYL	-
6	3/4/5/8	CONTACT FE	BRASS	GOLD OVER Ni-PLATED
5	1	GASKET RD	FPM	-
4	1	INSERT M12 FE XP BK	PUR	-
3	1	COUPLING NUT M12 FE	SEE SHEET 2	SEE SHEET 2
2	-	OVERMOULDING	SEE SHEET 2	SEE SHEET 2
1	-	CABLE	SEE SHEET 2	-
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									
	DIMENSION UNITS		SCALE		CURRENT REV DESC: STANDARDIZATION			molex		
	mm		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)							CSE M12 XP AC FE STR WSOR XM SE UNSH		
	ANGULAR TOL ± °									
4 PLACES		±								
DIVISIONAL SYMBOLS	3 PLACES		±		EC NO: 681756		PRODUCT CUSTOMER DRAWING			
	2 PLACES		±		DRWN: MKOWALCZYK01 2021/10/18					
	1 PLACE		±		CHK'D: ALEKSP3 2021/10/18					
	0 PLACES		±		APPR: KMARCINIAK01 2021/10/18		DOCUMENT NUMBER 1200652251			
	INITIAL REVISION:		DRWN: AKONDRACIUK 2016/11/26		DOC TYPE PSD					
0 PLACES		±		APPR: MIWASIECZKO 2016/12/06				DOC PART 00P		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES				
				A3-SIZE		120065		SHEET NUMBER 1 OF 2		

ENGINEERING NO - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

8

0

X

0

0

0

B

X

X

M

X

X

X

X

88 = M12x1
SINGLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES
8 = 8 POLES

HEADER:
000 = PLUG FEMALE STRARIGHT

CABLE TYPE:
SEE TABLE

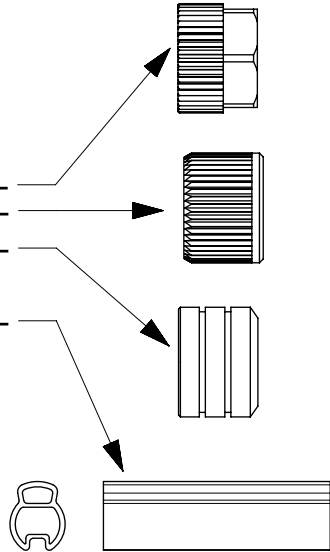
UNIT:
M = METER

LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

Coupling Nut:
Blank (Standard)=Knurled/Hex Brass, Ni Plated
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated

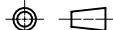
H= 2 pcs. of I/D Carrier PVC Transparent
(Cables B36 always with
2 pcs. I/D Carrier)



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray							SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange							SD-120209-001
B39	5	0.75mm²	TPU Gray							n/a
B41	8	0.25mm²	TPU Black							SD-120209-006
B42	5	0.34mm²	TPU Black							SD-120209-001
B49	8	0.25mm²	TPU Orange							SD-120209-006
B55	3 / 4 / 5	0.34mm²	TPU Yellow							n/a

TABLE OF LENGTH TOLERANCES				
OVER	UP TO AND INCLUDING	TOLERANCE		
0	1000	+40 0		
1000	5000	+60 0		
5000	10000	+80 0		
10000	20000	+140 0		
20000	30000	+160 0		
30000	>	+1% OF LENGTH		
DOCUMENT STATUS	P1	RELEASE DATE	2021/10/18	12:08:57

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: STANDARDIZATION			
	DIMENSION UNITS	SCALE	molex			
 = 0	mm	1:1	GENERAL TOLERANCES (UNLESS SPECIFIED)			
 = 0	ANGULAR TOL					
 = 0	4 PLACES	±	EC NO: 681756			
DIVISIONAL SYMBOLS	3 PLACES	±	DRWN: MKOWALCZYK01 2021/10/18			
	2 PLACES	±	CHK'D: ALEKSP3 2021/10/18			
	1 PLACE	±	APPR: KMARCINIAK01 2021/10/18			
	0 PLACES	±	INITIAL REVISION:			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: AKONDRACIUK 2016/11/26		2016/12/06	
	THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
		A3-SIZE	120065	SEE PART LIST	SHEET NUMBER	
				2 OF 2		

FORMAT: master-b-prod-A3
REVISION: 11
DATE: 2021/05/01

987654321