

8	0	X	0	0	0	B	X	X	X	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

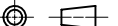
CABLE:
 B30 = 0,34mm², TPU BLACK
 B33 = 0,34mm², TPU GREY
 B36 = 0,34mm², TPU ORANGE
 B39 = 0,75mm², TPU BLACK
 B41 = 0,25mm², TPU BLACK
 B42 = 0,34mm², TPU BLACK
 B49 = 0,25mm², TPU ORANGE
 B55 = 0,34mm², TPU YELLOW

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

CABLE LIST

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL 21215	CSA	ISO6722	ISO14572	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	OTHER
B30	3 / 4 / 5	0.34mm ²	TPU Black	YES	YES	YES	YES	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	WELD SLAG RESISTANCE
B41	8	0.25mm ²	TPU Black								
B42	5	0.34mm ²	TPU Black								
B33	4 / 5	0.34mm ²	TPU Gray								
B55	4 / 5	0.34mm ²	TPU Yellow								
B36	4 / 5	0.34mm ²	TPU Orange								
B39	5	0.34mm ²	TPU Yellow								

LENGTH	TOLERANCE
0 m - 1 m	+40 mm
>1 m - 5 m	+60 mm
>5 m - 10 m	+80 mm
>10 m - 20 m	+140 mm
>20 m - 30 m	+160 mm
>30 m	+1% 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: CABLE LIST INFORMATIONS ADDED			molex				
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 788824 DRWN: RSCHIEBER 2024/06/07 CHK'D: RSILLER 2024/06/11 APPR: RSILLER 2024/06/11					CSE M12 XP AC FE STR WSOR XM SE UNSH BK				
	ANGULAR TOL ± 1.0 °											
	4 PLACES ±											
	3 PLACES ±		INITIAL REVISION: DRWN: SSM 2021/12/16 APPR: RSILLER 2022/02/28			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	2 PLACES ± 0.05					1200652251		PSD	000	B1		
	1 PLACE ± 0.3											
	0 PLACES ± 0.5											
DIVISIONAL SYMBOLS		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		2 OF 3

F

EDCBA

1

Technical drawing of a cable connector, showing front and side views with dimensions and labels.

VIEW FROM THE FRONT SIDE
SCALE 2:1

VIEW FROM THE FRONT SIDE
SCALE 2:1

Dimensions and labels:

- (46.3)
- (46.5)
- ($\varnothing 14.5$)
- 50 ± 5
- L+Tol.
- 3,4,5 POLE 50 ± 2
- 8 POLE 80 ± 3
- Thicker Overmould for Cables with bigger Outer Diameter

		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
PIN	WIRE																																																			
1	BROWN																																																			
3	BLUE																																																			
4	BLACK																																																			
PIN	WIRE																																																			
1	BROWN																																																			
2	WHITE																																																			
3	BLUE																																																			
4	BLACK																																																			
PIN	WIRE																																																			
1	BROWN																																																			
2	WHITE																																																			
3	BLUE																																																			
4	BLACK																																																			
5	GREY OR GREEN/YELLOW																																																			
PIN	WIRE																																																			
1	WHITE																																																			
2	BROWN																																																			
3	GREEN																																																			
4	YELLOW																																																			
5	GREY																																																			
6	PINK																																																			
7	BLUE																																																			
8	RED																																																			

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

FORMAT: master-tb-prod-A3 REVISION: J1 DATE: 2021/05/01	9	8
---	---	---

