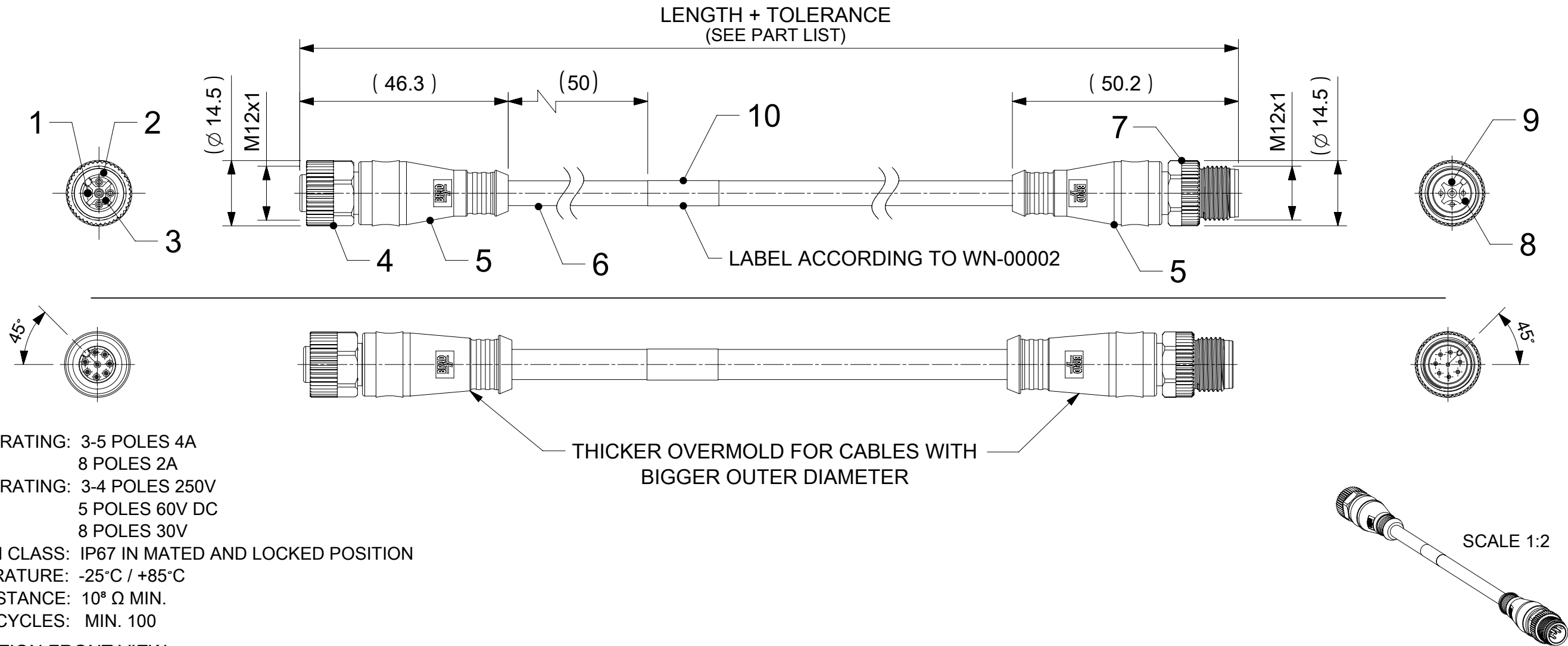


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



CABLE	3 POLES		4 POLES		5 POLES		5 POLES		8 POLES	
	B30, B55		B30, B33, B36, B55		B30, B33, B36, B55		B42		B41, B49	
FEMALE										
MALE										
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY	5	GREEN/ YELLOW	5	GREY
							5	GREEN/ YELLOW	6	PINK
									7	BLUE
									8	RED

CODING REQUIRED TO IEC 61076-2-101

DOCUMENT STATUS | P1 | RELEASE DATE | 2024/07/02 | 09:17:54

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

10	1	LABEL OR PRINTING	VINYL / ---	---
9	3 / 4 / 5	CONTACT M12 MALE	COPPER	SELECTIVE GOLD OVER NICKEL
	8		BRASS	SELECTIVE GOLD OVER NICKEL
8	1	INSERT MALE BLACK	TPU	---
7	1	COUPLING NUT MALE	SEE SHEET 2	SEE SHEET 2
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING	TPU	SEE SHEET 2
4	1	COUPLING NUT FEMALE	SEE SHEET 2	SEE SHEET 2
3	1	INSERT FEMALE BLACK	PUR	---
2	1	O-RING RED	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE GOLD OVER NICKEL
	8		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

DIMENSION UNITS		SCALE	CURRENT REV DESC: CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED B49 CABLE P/N'S & NOTES. SORTED PART LIST USING CABLE TYPES ON SHEET 3&4.	
mm		1:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)				
ANGULAR TOL		± 1.0 °		
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	120066
			MATERIAL NUMBER	CUSTOMER
			SEE SHEET 3 & 4	GENERAL MARKET
			DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
			1200668993	PSD 000 B
				SHEET NUMBER
				1 OF 4

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

OPTIONS

8 8 X 0 3 0 X X X X X X X X

88=M12x1
Double ended

Poles:
3=3 Poles
4=4 Poles
5=5 Poles
8=8 Poles

Heads style: 030=Plug Female Straight to Plug Male Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter
T=10x Meter

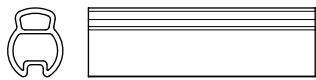
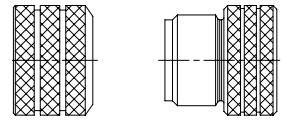
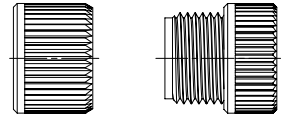
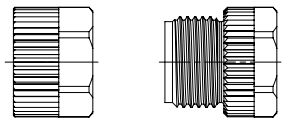
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

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
(Cable B36 always with
2 pcs. I/D Carrier) _____

FEMALE MALE

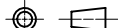


CABLE INFORMATION (for more information see Cable Data Sheet)

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 PRODUCT SPECIFICATION	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	1552200001	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-001
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

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

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DIMENSION UNITS		SCALE		CURRENT REV DESC: CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED B49 CABLE P/N'S & NOTES. SORTED PART LIST USING CABLE TYPES ON SHEET 3&4.			molex					
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)							CSE M12 XP AC FE STR WSOR MA STR XM DE					
ANGULAR TOL ± 1.0 °												
4 PLACES ±												
3 PLACES ±				PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER 1200668993			DOC TYPE PSD	DOC PART 000	REVISION B
2 PLACES ± 0.05												
1 PLACE ± 0.3				INITIAL REVISION: DRWN: JMARSZALEK 2016/07/22 APPR: RSILLER 2016/08/29			SHEET NUMBER 2 OF 4					
0 PLACES ± 0.5												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING A3-SIZE	SERIES 120066	MATERIAL NUMBER SEE SHEET 3 & 4		CUSTOMER GENERAL MARKET				

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/02	09:17:54
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10	9	8	7	6	5	4	3	2	1
PART LIST									
MOLEX PN			ENGINEERING No			L [mm]			
3P CABLE B30									
1200668889			883030B30M006			600			
1200668890			883030B30M010			1000			
1200668891			883030B30M020			2000			
1200668892			883030B30M030			3000			
1200668893			883030B30M050			5000			
1200668894			883030B30M100			10000			
1200669718			883030B30M150			15000			
1200669719			883030B30M200			20000			
1200669720			883030B30M250			25000			
4P CABLE B30									
1200669157			884030B30M002			200			
1200669923			884030B30M003			300			
1200669480			884030B30M005			500			
1200668817			884030B30M006			600			
1200668818			884030B30M010			1000			
1200665456			884030B30M010R			1000			
1200669521			884030B30M015			1500			
1200668819			884030B30M020			2000			
1200665457			884030B30M020R			2000			
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1200668820			884030B30M030			3000			
1200665458			884030B30M030R			3000			
1200669158			884030B30M030R			3000			
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1200665459			884030B30M040R			4000			
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1200665460			884030B30M050R			5000			
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1200668863			884030B30M070			7000			
1200669481			884030B30M080			8000			
1200668822			884030B30M100			10000			
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1200669505			884030B30M140			14000			
1200668913			884030B30M150			15000			
1200669506			884030B30M160			16000			
1200668914			884030B30M200			20000			
1200668915			884030B30M250			25000			
1200668916			884030B30M300			30000			
1200669513			884030B30M400			40000			
1200669512			884030B30M550			55000			

MOLEX PN				ENGINEERING No				L [mm]				
5P CABLE B30												
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1200656067				885030B30M005H				500				
1200668991				885030B30M006				600				
1200668992				885030B30M010				1000				
1200669242				885030B30M0107				1000				
1200669145				885030B30M015				1500				
1200668993				885030B30M020				2000				
1200659667				885030B30M025				2500				
1200668994				885030B30M030				3000				
1200669482				885030B30M040				4000				
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1200669489				885030B30M250				25000				
1200669483				885030B30M300				30000				
4P CABLE B33												
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1200669250				884030B33M005				500				
1200669575				884030B33M005A				500				
1200669223				884030B33M010				1000				
1200669576				884030B33M010A				1000				
1200669714				884030B33M015A				1500				
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1200669875				884030B33M700A				70000				

MOLEX PN				ENGINEERING No				L [mm]				
5P CABLE B33												
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1200669901				885030B33M005A				500				
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1200669247				885030B33M020				2000				
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1200669658				885030B33M030A				3000				
1200669254				885030B33M050				5000				
1200669659				885030B33M050A				5000				
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1200669660				885030B33M100A				10000				
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1200669662				885030B33M200A				20000				
1200669255				885030B33M300				30000				
1200669902				885030B33M300A				30000				
1200669903				885030B33M400A				40000				
1200669904				885030B33M500A				50000				
4P CABLE B36												
1200669524				884030B36M0057H				500				
1200669019				884030B36M0057Y				500				
1200669562				884030B36M0067Y				600				
1200669530				884030B36M0107H				1000				
1200669020				884030B36M0107Y				1000				
1200669531				884030B36M0157H				1500				
1200669021				884030B36M0157Y				1500				
1200669525				884030B36M0207H				2000				
1200669022				884030B36M0207Y				2000				
1200669526				884030B36M0307H				3000				
1200669023				884030B36M0307Y				3000				
1200669024				884030B36M0407Y				4000				
1200669532				884030B36M0507H				5000				
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1200669025				884030B36M0607Y				6000				

MOLEX PN				ENGINEERING No				L [mm]				
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1200668860				884030B36M1007Y				10000				
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1200669030				884030B36M2507Y				25000				
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5P CABLE B36												
1200669542				885030B36M0057H				500				
1200669032				885030B36M0057Y				500				
1200669543				885030B36M0107H				1000				
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mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 789428 DRWN: AKABADI 2023/03/08 CHK'D: RSILLER 2024/07/02 APPR: RSILLER 2024/07/02						CSE M12 XP AC FE STR WSOR MA STR XM DE			
ANGULAR TOL ± 1.0 °													
4 PLACES ±				INITIAL REVISION: DRWN: JMARSZALEK 2016/07/22 APPR: RSILLER 2016/08/29						PRODUCT CUSTOMER DRAWING			
3 PLACES ±										DOCUMENT NUMBER			
2 PLACES ± 0.05				12006688993				PSD		000		B	
1 PLACE ± 0.3													
0 PLACES ± 0.5				THIRD ANGLE PROJECTION				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								DRAWING		SERIES		SEE SHEET 3 & 4	
						A3-SIZE		120066					

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/02	09:17:54
10	9	8	7	6
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