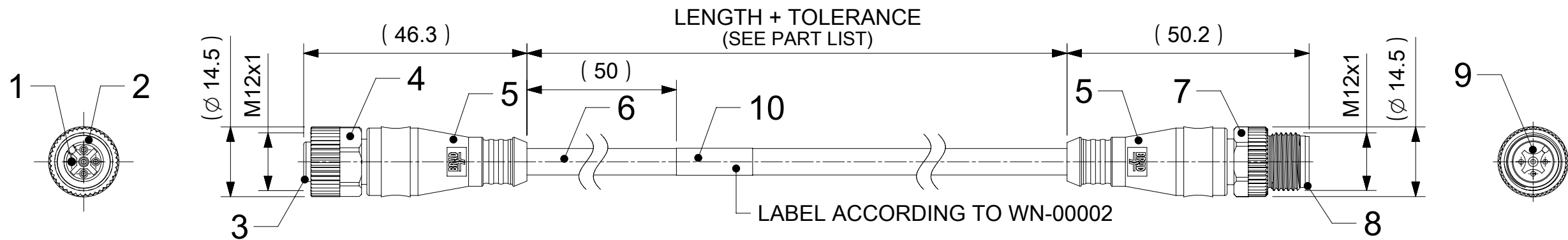


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT

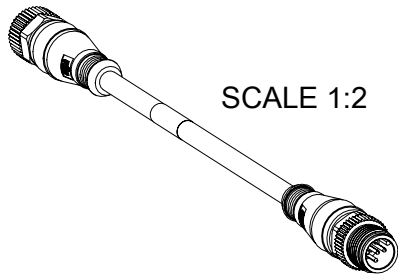


NOTES:
CONTACT CURRENT RATING: 3-5 POLES 4A
8 POLES 2A
VOLTAGE RATING: 3-4 POLES 250V
5 POLES 60V DC
8 POLES 30V
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

CONTACT POSITION FRONT VIEW:

3 POLES		4 POLES		5 POLES		5 POLES		8 POLES		
CABLE	B30, B55	B30, B33, B36, 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
									6	PINK
									7	BLUE
									8	RED
CODING REQUIRED TO IEC 61076-2-101										

THICKER OVERMOLD FOR CABLES WITH
BIGGER OUTER DIAMETER



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	ORING 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: NEW P/N'S ADDED			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		±		EC NO: 687807			PRODUCT CUSTOMER DRAWING				
3 PLACES		±		DRWN: RSCHIEBER 2021/12/01							
2 PLACES		± 0.05		CHK'D: RSILLER 2021/12/07							
1 PLACE		± 0.3		APPR: RSILLER 2021/12/07			DOCUMENT NUMBER 1200668993				
0 PLACES		± 0.5		INITIAL REVISION: DRWN: JMARSZALEK 2016/07/22 APPR: RSILLER 2016/08/29						DOC TYPE PSD	DOC PART 000
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
						A3-SIZE	120066	SEE SHEET 3 & 4		GENERAL MARKET	1 OF 4

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

88X030XXXXXX

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

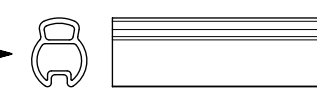
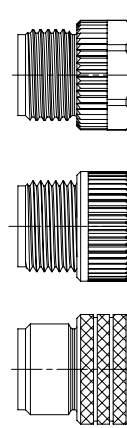
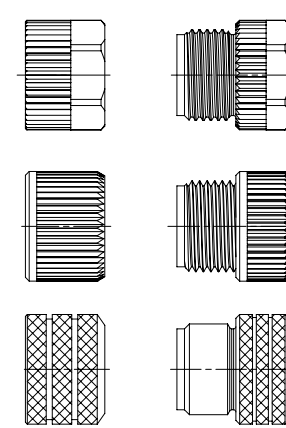
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

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)

FEMALEMALE



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
mm

SCALE
1:1

CURRENT REV DESC: NEW P/N'S ADDED

EC NO: 687807
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2021/12/01
2021/12/07
2021/12/07

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2016/07/22
2016/08/29

DOCUMENT NUMBER
1200668993

DOC TYPE
PSD

DOC PART
000

REVISION
A16

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120066

MATERIAL NUMBER
SEE SHEET 3 & 4

CUSTOMER
GENERAL MARKET

SHEET NUMBER
2 OF 4

10	9	8	7	6	5	4	3	2	1																																																																				
PART LIST																																																																													
Lp.	MOLEX PN	ENGINEERING No	L [mm]	Lp.	MOLEX PN	ENGINEERING No	L [mm]	Lp.	MOLEX PN	ENGINEERING No	L [mm]																																																																		
121	1200669487	885030B30M180	18000	151	1200669578	884030B33M030A	3000	181	1200669667	885030B55M100Y	10000																																																																		
122	1200669488	885030B30M200	20000	152	1200669579	884030B33M050A	5000	182	1200669668	885030B55M150Y	15000																																																																		
123	1200669489	885030B30M250	25000	153	1200669580	884030B33M100A	10000	183	1200669669	885030B55M200Y	20000																																																																		
124	1200669504	884030B30M120	12000	154	1200665456	884030B30M010R	1000	184	1200669742	884030B55M250Y	25000																																																																		
125	1200669505	884030B30M140	14000	155	1200665457	884030B30M020R	2000	185	1200669743	884030B55M300Y	30000																																																																		
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143	1200669548	885030B36M1007H	10000	173	1200669659	885030B33M050A	5000																																																																						
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