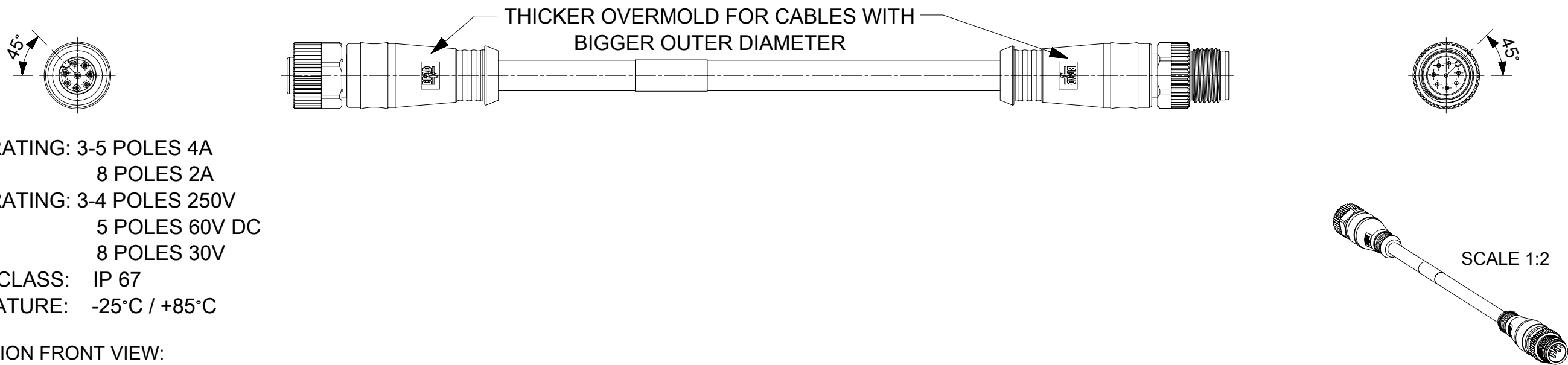
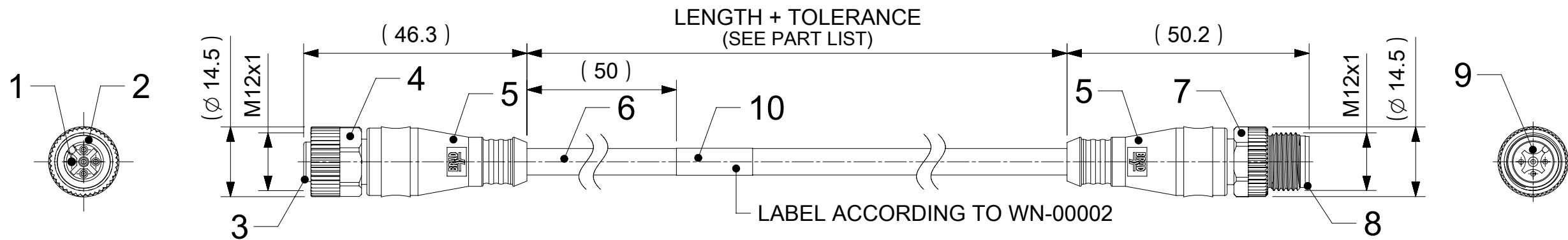


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



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:

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		6	PINK
									7	BLUE
									8	RED
CODING REQUIRED TO IEC 61076-2-101										

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: mm, SCALE: 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

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

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE, SERIES: 120066

MATERIAL NUMBER: SEE SHEET 3 & 4, CUSTOMER: GENERAL MARKET, SHEET NUMBER: 1 OF 4

molex

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200668993, DOC TYPE: PSD, DOC PART: 000, REVISION: A16

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

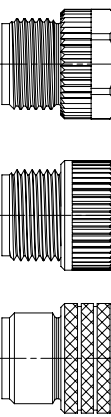
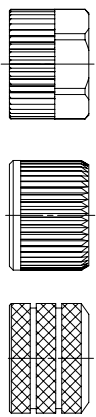
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

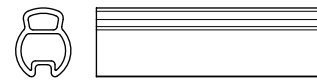
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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

moLEX

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

PART LIST

Lp.	MOLEX PN	ENGINEERING No	L [mm]
121	1200669487	885030B30M180	18000
122	1200669488	885030B30M200	20000
123	1200669489	885030B30M250	25000
124	1200669504	884030B30M120	12000
125	1200669505	884030B30M140	14000
126	1200669506	884030B30M160	16000
127	1200669512	884030B30M550	55000
128	1200669513	884030B30M400	40000
129	1200669521	884030B30M015	1500
130	1200669524	884030B36M0057H	500
131	1200669525	884030B36M0207H	2000
132	1200669526	884030B36M0307H	3000
133	1200669530	884030B36M0107H	1000
134	1200669531	884030B36M0157H	1500
135	1200669532	884030B36M0507H	5000
136	1200669533	884030B36M1007H	10000
137	1200669542	885030B36M0057H	500
138	1200669543	885030B36M0107H	1000
139	1200669544	885030B36M0157H	1500
140	1200669545	885030B36M0207H	2000
141	1200669546	885030B36M0307H	3000
142	1200669547	885030B36M0507H	5000
143	1200669548	885030B36M1007H	10000
144	1200669562	884030B36M0067Y	600
145	1200669563	884030B36M0707Y	7000
146	1200669567	888030B41M150	15000
147	1200669568	888030B41M200	20000
148	1200669575	884030B33M005A	500
149	1200669576	884030B33M010A	1000
150	1200669577	884030B33M020A	2000

Lp.	MOLEX PN	ENGINEERING No	L [mm]
151	1200669578	884030B33M030A	3000
152	1200669579	884030B33M050A	5000
153	1200669580	884030B33M100A	10000
154	1200665456	884030B30M010R	1000
155	1200665457	884030B30M020R	2000
156	1200665458	884030B30M030R	3000
157	1200665459	884030B30M040R	4000
158	1200665460	884030B30M050R	5000
159	1200665461	888030B41M010R	1000
160	1200665462	888030B41M020R	2000
161	1200665463	888030B41M030R	3000
162	1200665464	888030B41M040R	4000
163	1200665465	888030B41M050R	5000
164	1200669714	884030B33M015A	1500
165	1200669715	884030B33M040A	4000
166	1200669716	884030B33M070A	7000
167	1200669618	884030B55M010Y	1000
168	1200669619	884030B33M150A	15000
169	1200669620	884030B33M200A	20000
170	1200669656	885030B33M010A	1000
171	1200669657	885030B33M020A	2000
172	1200669658	885030B33M030A	3000
173	1200669659	885030B33M050A	5000
174	1200669660	885030B33M100A	10000
175	1200669661	885030B33M150A	15000
176	1200669662	885030B33M200A	20000
177	1200669663	885030B55M010Y	1000
178	1200669664	885030B55M020Y	2000
179	1200669665	885030B55M030Y	3000
180	1200669666	885030B55M050Y	5000

[illegible]

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: NEW P/N'S ADDED			molex						
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL ± 1.0°		EC NO: 687807 DRWN: RSCHEIBER 2021/12/01 CHK'D: RSILLER 2021/12/07 APPR: RSILLER 2021/12/07			CSE M12 XP AC FE STR WSOR MA STR XM DE								
4 PLACES ±													
3 PLACES ±					PRODUCT CUSTOMER DRAWING								
2 PLACES ± 0.05													
1 PLACE ± 0.3		INITIAL REVISION: DRWN: JMARSZALEK 2016/07/22 APPR: RSILLER 2016/08/29			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
0 PLACES ± 0.5					1200668993		PSD	000	A16				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 120066		MATERIAL NUMBER SEE SHEET 3 & 4		CUSTOMER GENERAL MARKET		SHEET NUMBER 4 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2021/12/07	06:44:37
-----------------	----	--------------	------------	----------