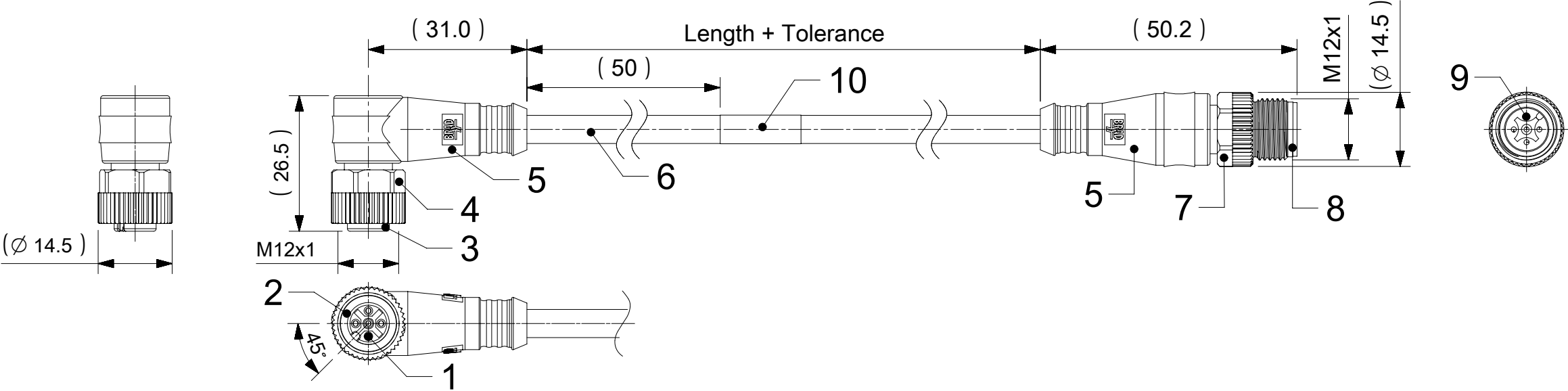
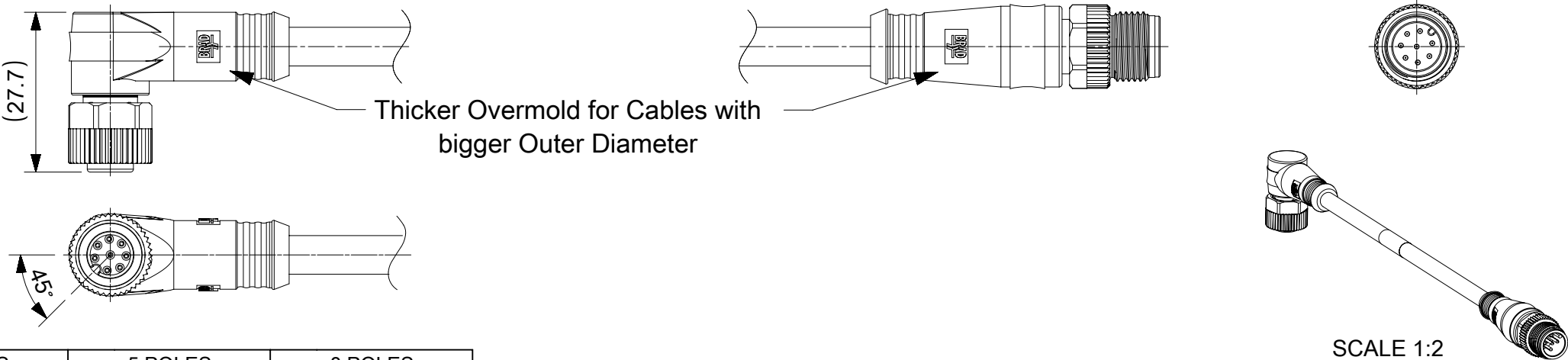


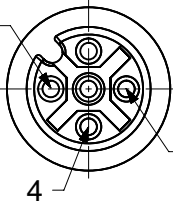
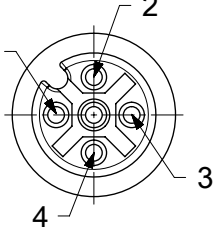
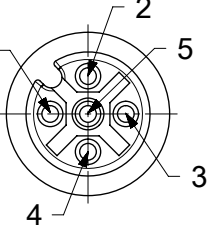
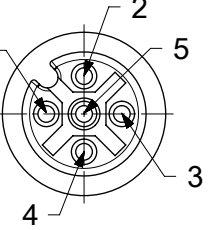
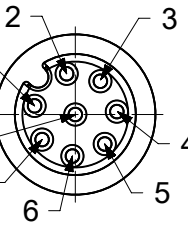
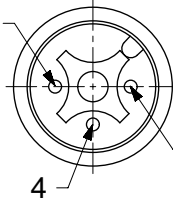
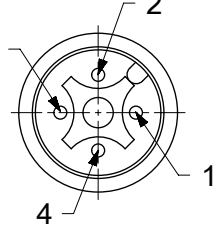
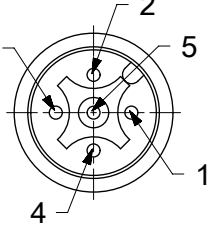
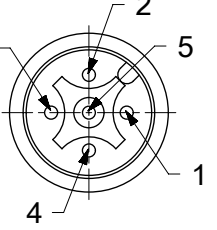
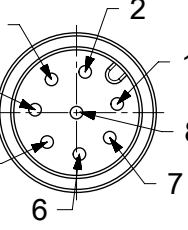
FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT



NOTES:
CONTACT CURRENT RATING: 3-5 POLES 4A
8 POLES 2A
VOLTAGE RATING: 3-4 POLES 250V
5 POLES 60V
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
									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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 □ = 0 ■ = 0 ▽ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N ADDED			molex							
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 1.0°														
	4 PLACES		±					EC NO: 634252			CSE M12 XP AC FE RA WSOR MA STR XM DE				
3 PLACES		±		DRWN: RSCHIEBER 2020/03/18											
2 PLACES		± 0.05		CHK'D: RSILLER 2020/03/18											
1 PLACE		± 0.1		APPR: RSILLER 2020/03/18			PRODUCT CUSTOMER DRAWING								
0 PLACES		± 0.2		INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
				DRWN: JMARSZALEK 2016/08/12			1200668999		PSD	000	A6				
				APPR: RSILLER 2016/08/29											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120066		SEE SHEET 3		GENERAL MARKET		1 OF 3	

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

OPTIONS

8

8

X

0

3

1

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:
031=Plug Female 90°
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

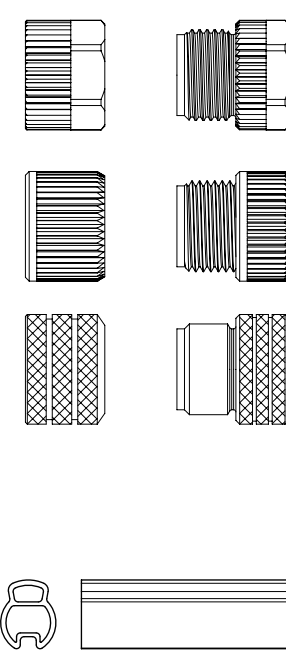
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

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
B55	4 / 5	0.34mm²	TPU Yellow								n/a

CABLE LENGTH TOLERANCES		
LENGTH	TOLERANCE	
shorter 1m	+40 mm	-0 mm
1m-5m	+60 mm	-0 mm
5m-10m	+80 mm	-0 mm
10m-20m	+140 mm	-0 mm
20m-30m	+160 mm	-0 mm
longer 30m	+1%	-0 mm

SYMBOLS

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DIMENSION UNITS

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: NEW P/N ADDED

EC NO: 634252

DRWN: RSCHIEBER 2020/03/18

CHK'D: RSILLER 2020/03/18

APPR: RSILLER 2020/03/18

INITIAL REVISION:

DRWN: JMARSZALEK 2016/08/12

APPR: RSILLER 2016/08/29

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120066

molex

CSE M12 XP AC FE RA WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200668999

DOC TYPE

PSD

DOC PART

000

REVISION

A6

MATERIAL NUMBER

SEE SHEET 3

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 3

[illegible]

Lp.	MOLEX PN	ENGINEERING No	L [mm]
41	1200669670	885031B33M010A	1000
42	1200669671	885031B33M020A	2000
43	1200669672	885031B33M030A	3000
44	1200669673	885031B33M050A	5000
45	1200669674	885031B33M100A	10000
46	1200669675	885031B33M150A	15000
47	1200669676	885031B33M200A	20000

Lp.	MOLEX PN	ENGINEERING No	L [mm]
81	1200669056	884031B36M1507Y	15000
82	1200669057	884031B36M2007Y	20000
83	1200669058	884031B36M2507Y	25000
84	1200669059	884031B36M3007Y	30000
85	1200669534	884031B36M0057H	500
86	1200669535	884031B36M0107H	1000
87	1200669536	884031B36M0157H	1500
88	1200669537	884031B36M0207H	2000
89	1200669538	884031B36M0307H	3000
90	1200669539	884031B36M0507H	5000
91	1200669540	884031B36M1007H	10000
92	1200669564	884031B36M0067Y	600

Lp.	MOLEX PN	ENGINEERING No	L [mm]
94	1200668835	885031B42M006	600
95	1200668836	885031B42M010	1000
96	1200668837	885031B42M020	2000
97	1200668838	885031B42M030	3000
98	1200668839	885031B42M050	5000
99	1200668840	885031B42M100	10000

Lp.	MOLEX PN	ENGINEERING No	L [mm]
110	1200669679	885031B55M010Y	1000
111	1200669680	885031B55M020Y	2000
112	1200669681	885031B55M030Y	3000
113	1200669682	885031B55M050Y	5000
114	1200669683	885031B55M100Y	10000
115	1200669684	885031B55M150Y	15000
116	1200669685	885031B55M200Y	20000

Lp.	MOLEX PN	ENGINEERING No	L [mm]
27	1200669569	884031B33M005	500
28	1200669570	884031B33M010	1000
29	1200669571	884031B33M020	2000
30	1200669572	884031B33M030	3000
31	1200669573	884031B33M050	5000
32	1200669574	884031B33M100	10000
33	1200669581	884031B33M005A	500
34	1200669582	884031B33M010A	1000
35	1200669621	884031B33M020A	2000
36	1200669622	884031B33M030A	3000
37	1200669623	884031B33M050A	5000
38	1200669624	884031B33M100A	10000
39	1200669625	884031B33M150A	15000
40	1200669626	884031B33M200A	20000

DOCUMENT STATUS	P1	RELEASE DATE	2020/03/18	16:20:49
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