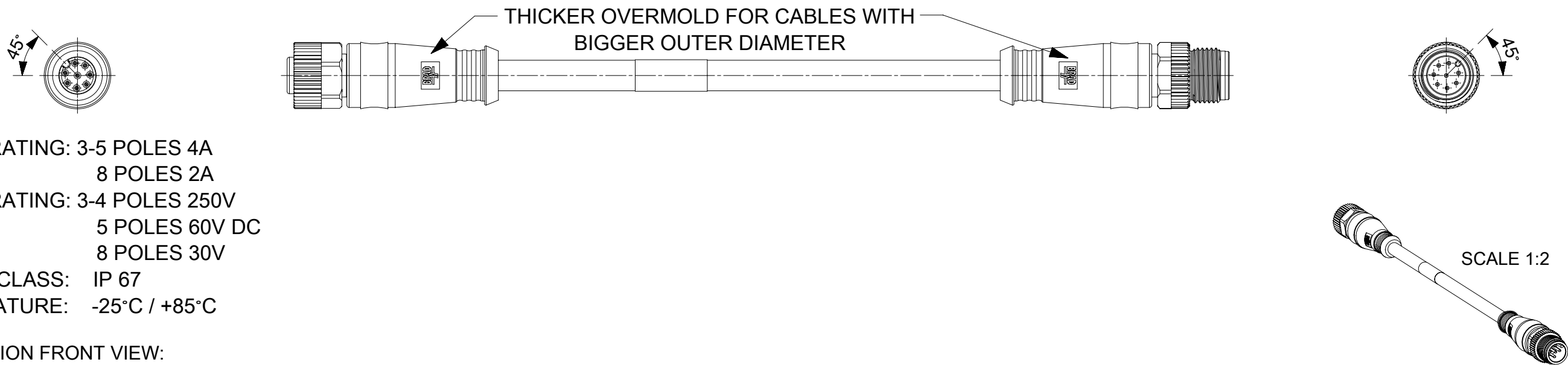
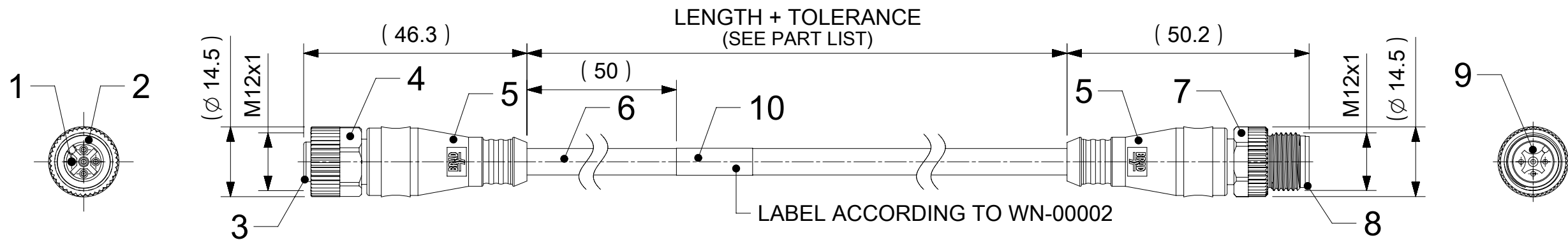


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



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												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		WHITE	
	2		---		2		WHITE		2		BROWN	
MALE												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREEN	
	2		---		2		WHITE		2		YELLOW	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREY	
	2		---		2		BLACK		2		PINK	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		BLUE	
	2		---		2		GREY		2		RED	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREEN	
	2		---		2		WHITE		2		YELLOW	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREY	
	2		---		2		BLACK		2		PINK	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		BLUE	
	2		---		2		GREY		2		RED	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREEN	
	2		---		2		WHITE		2		YELLOW	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREY	
	2		---		2		BLACK		2		PINK	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		BLUE	
	2		---		2		GREY		2		RED	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREEN	
	2		---		2		WHITE		2		YELLOW	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREY	
	2		---		2		BLACK		2		PINK	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		BLUE	
	2		---		2		GREY		2		RED	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREEN	
	2		---		2		WHITE		2		YELLOW	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREY	
	2		---		2		BLACK		2		PINK	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		BLUE	
	2		---		2		GREY		2		RED	
CONNECTIONS												
	PIN		WIRE		PIN		WIRE		PIN		WIRE	
	1		BROWN		1		BROWN		1		GREEN	
	2		---		2		WHITE		2		YELLOW	
CONNECTIONS												
	PIN		WIRE									

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

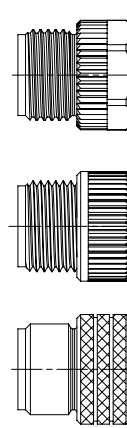
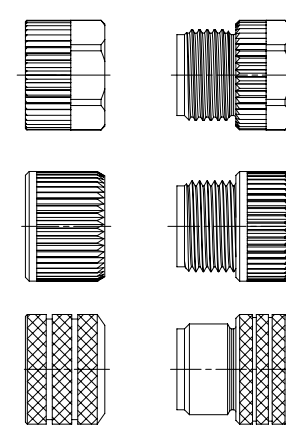
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

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

