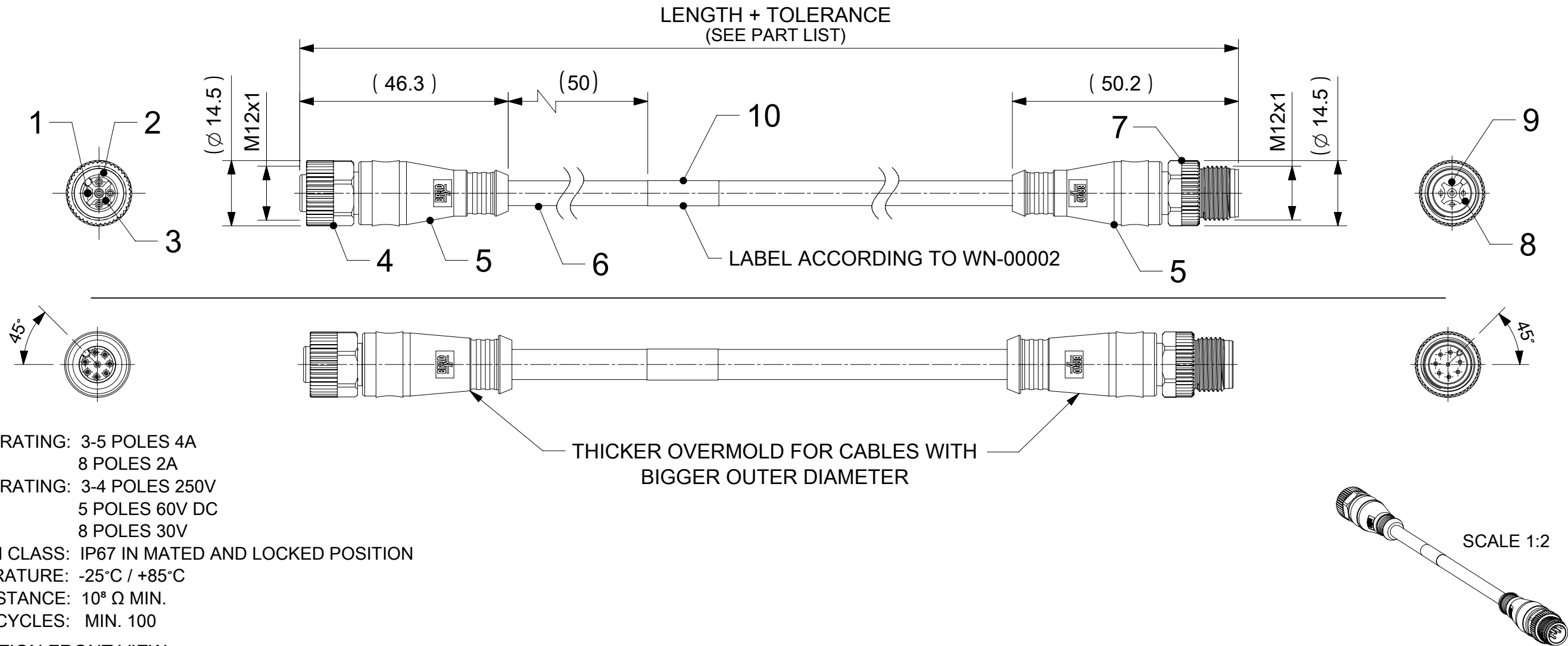


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



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
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	8		BRASS	SELECTIVE GOLD OVER NICKEL
7	1	INSERT MALE BLACK	TPU	---
6	1	COUPLING NUT MALE	SEE SHEET 2	SEE SHEET 2
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOULDING	TPU	SEE SHEET 2
3	1	COUPLING NUT FEMALE	SEE SHEET 2	SEE SHEET 2
2	1	INSERT FEMALE BLACK	PUR	---
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	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

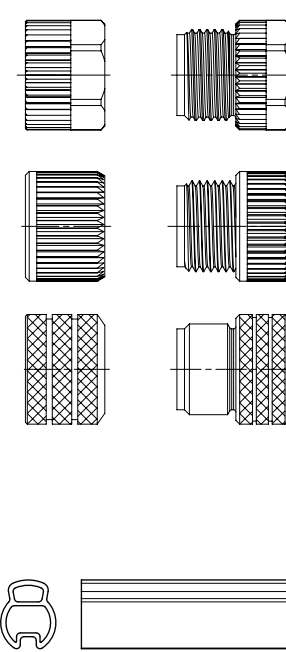
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

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)

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

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: 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.

EC NO: 789428
DRWN: AKABADI
CHK'D: RSILLER
APPR: RSILLER

2023/03/08
2024/07/02
2024/07/02

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2016/07/22
2016/08/29

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

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

B

SEE SHEET 3 & 4

GENERAL MARKET

2 OF 4

10	9	8	7	6	5	4	3	2	1																																																																																																	
PART LIST																																																																																																										
MOLEX PN			ENGINEERING No			L [mm]																																																																																																				
3P CABLE B30			5P CABLE B30			5P CABLE B33																																																																																																				
1200668889	883030B30M006	600	1200659666	885030B30M005	500	1200669257	885030B33M005	500																																																																																																		
1200668890	883030B30M010	1000	1200656067	885030B30M005H	500	1200669901	885030B33M005A	500																																																																																																		
1200668891	883030B30M020	2000	1200668991	885030B30M006	600	1200669258	885030B33M010	1000																																																																																																		
1200668892	883030B30M030	3000	1200668992	885030B30M010	1000	1200669656	885030B33M010A	1000																																																																																																		
1200668893	883030B30M050	5000	1200669242	885030B30M0107	1000	1200669247	885030B33M020	2000																																																																																																		
1200668894	883030B30M100	10000	1200669145	885030B30M015	1500	1200669657	885030B33M020A	2000																																																																																																		
1200669718	883030B30M150	15000	1200668993	885030B30M020	2000	1200669253	885030B33M030	3000																																																																																																		
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1200669720	883030B30M250	25000	1200668994	885030B30M030	3000	1200669254	885030B33M050	5000																																																																																																		
4P CABLE B30			1200668994	885030B30M030	3000	1200669659	885030B33M050A	5000																																																																																																		
1200669157	884030B30M002	200	1200669482	885030B30M040	4000	1200669248	885030B33M100	10000																																																																																																		
1200669923	884030B30M003	300	1200668995	885030B30M050	5000	1200669660	885030B33M100A	10000																																																																																																		
1200669480	884030B30M005	500	1200669484	885030B30M060	6000	1200669661	885030B33M150A	15000																																																																																																		
1200668817	884030B30M006	600	1200669485	885030B30M080	8000	1200669249	885030B33M200	20000																																																																																																		
1200668818	884030B30M010	1000	1200668996	885030B30M100	10000	1200669662	885030B33M200A	20000																																																																																																		
1200665456	884030B30M010R	1000	1200669486	885030B30M150	15000	1200669255	885030B33M300	30000																																																																																																		
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1200668819	884030B30M020	2000	1200669488	885030B30M200	20000	1200669903	885030B33M400A	40000																																																																																																		
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1200669144	884030B30M025	2500	4P CABLE B33			4P CABLE B36																																																																																																				
1200668820	884030B30M030	3000	1200669876	884030B33M003A	300	1200669524	884030B36M0057H	500																																																																																																		
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1200668914	884030B30M200	20000	1200669251	884030B33M100	10000																																																																																																					
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			1200669256	884030B33M300	30000																																																																																																					
			1200669874	884030B33M300A	30000																																																																																																					
			1200669875	884030B33M700A	70000																																																																																																					
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