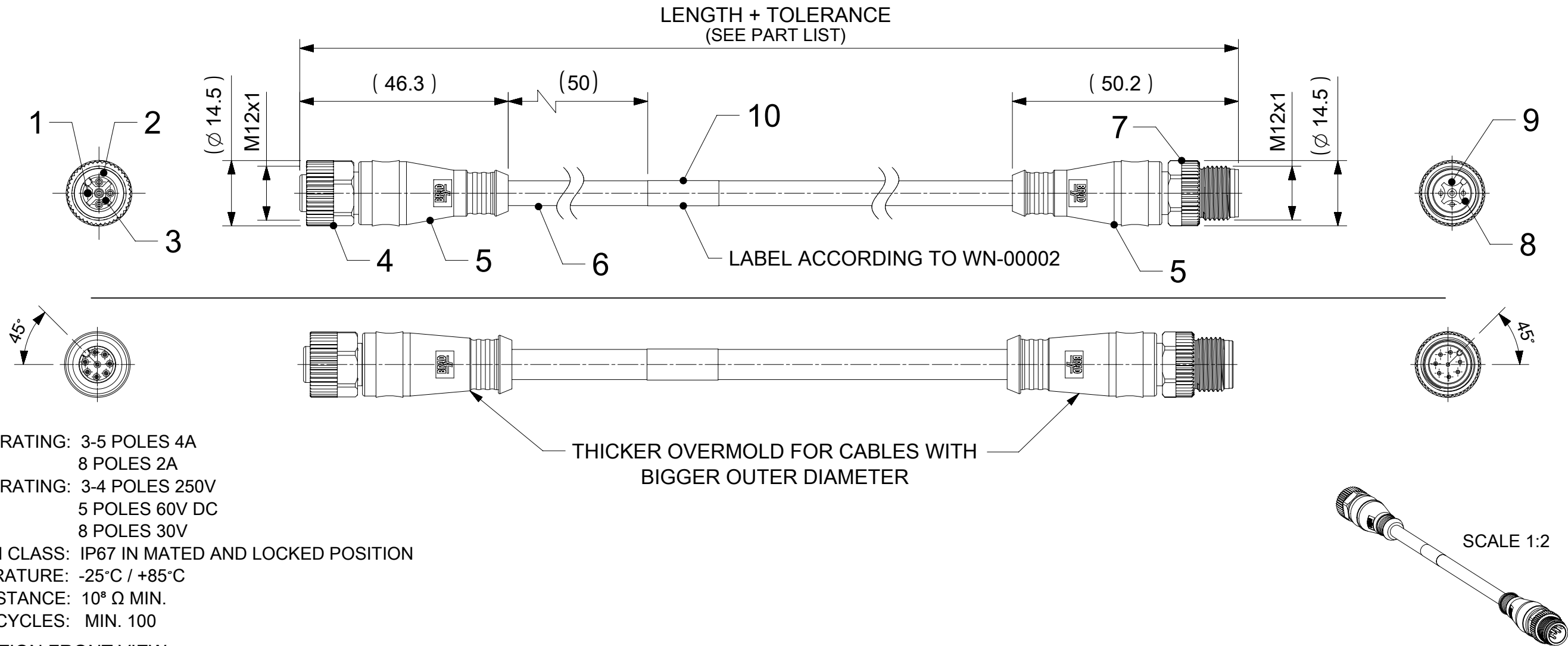


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



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
							5		6	PINK
									7	BLUE
									8	RED

CODING REQUIRED TO IEC 61076-2-101

DOCUMENT STATUS | P1 | RELEASE DATE | 2024/07/02 09:17:54

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	O-RING 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: 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				

molex

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

1200668993

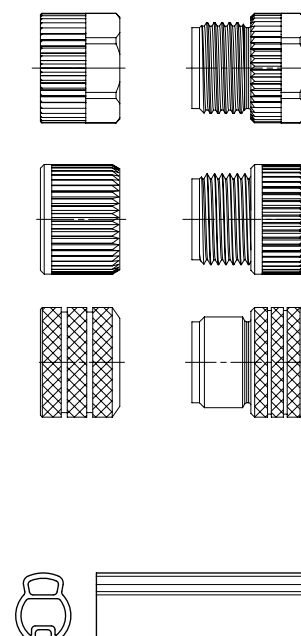
DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION

PSD | 000 | B

SEE SHEET 3 & 4 | GENERAL MARKET | 1 OF 4

A

F

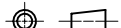


C

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-120209-00
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-00
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-00
B41	8	0.25mm²	TPU Black								SD-120209-00
B42	5	0.34mm²	TPU Black								SD-120209-00
B49	8	0.25mm²	TPU Orange								SD-120209-00
B55	3 / 4 / 5	0.34mm²	TPU Yellow								n/a

A

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		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.						molex					
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL ± 1.0 °															
4 PLACES ±		EC NO: 789428						CSE M12 XP AC FE STR WSOR MA STR XM DE							
3 PLACES ±		DRWN: AKABADI 2023/03/08													
2 PLACES ± 0.05		CHK'D: RSILLER 2024/07/02													
1 PLACES ± 0.3		APPR: RSILLER 2024/07/02						PRODUCT CUSTOMER DRAWING							
0 PLACES ± 0.5		INITIAL REVISION:						DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		DRWN: JMARSZALEK 2016/07/22						1200668993		PSD		000		B	
		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 & 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			4P CABLE B36		
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1200668890	883030B30M010	1000	1200656067	885030B30M005H	500	1200669901	885030B33M005A	500	1200669026	884030B36M0807Y	8000
1200668891	883030B30M020	2000	1200668991	885030B30M006	600	1200669258	885030B33M010	1000	1200669533	884030B36M1007H	10000
1200668892	883030B30M030	3000	1200668992	885030B30M010	1000	1200669656	885030B33M010A	1000	1200668860	884030B36M1007Y	10000
1200668893	883030B30M050	5000	1200669242	885030B30M0107	1000	1200669247	885030B33M020	2000	1200669027	884030B36M1207Y	12000
1200668894	883030B30M100	10000	1200669145	885030B30M015	1500	1200669657	885030B33M020A	2000	1200669028	884030B36M1507Y	15000
1200669718	883030B30M150	15000	1200668993	885030B30M020	2000	1200669253	885030B33M030	3000	1200669029	884030B36M2007Y	20000
1200669719	883030B30M200	20000	1200659667	885030B30M025	2500	1200669658	885030B33M030A	3000	1200669030	884030B36M2507Y	25000
1200669720	883030B30M250	25000	1200668994	885030B30M030	3000	1200669254	885030B33M050	5000	1200669031	884030B36M3007Y	30000
4P CABLE B30			1200669482			1200669659			5P CABLE B36		
1200669157	884030B30M002	200	1200669482	885030B30M040	4000	1200669248	885030B33M100	10000	1200669542	885030B36M0057H	500
1200669923	884030B30M003	300	1200668995	885030B30M050	5000	1200669660	885030B33M100A	10000	1200669032	885030B36M0057Y	500
1200669480	884030B30M005	500	1200669484	885030B30M060	6000	1200669661	885030B33M150A	15000	1200669543	885030B36M0107H	1000
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1200665456	884030B30M010R	1000	1200669486	885030B30M150	15000	1200669255	885030B33M300	30000	1200669545	885030B36M0207H	2000
1200669521	884030B30M015	1500	1200669487	885030B30M180	18000	1200669902	885030B33M300A	30000	1200669034	885030B36M0207Y	2000
1200668819	884030B30M020	2000	1200669488	885030B30M200	20000	1200669903	885030B33M400A	40000	1200669546	885030B36M0307H	3000
1200665457	884030B30M020R	2000	1200669489	885030B30M250	25000	1200669904	885030B33M500A	50000	1200669035	885030B36M0307Y	3000
1200669144	884030B30M025	2500	4P CABLE B33			4P CABLE B36			1200669036	885030B36M0407Y	4000
1200668820	884030B30M030	3000	1200669876	884030B33M003A	300	1200669524	884030B36M0057H	500	1200669037	885030B36M0507Y	5000
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1200669158	884030B30M030R	3000	1200669575	884030B33M005A	500	1200669562	884030B36M0067Y	600	1200669039	885030B36M0807Y	8000
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1200668913	884030B30M150	15000	1200669579	884030B33M050A	5000	1200669532	884030B36M0507H	5000			
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1200668914	884030B30M200	20000	1200669251	884030B33M100	10000	1200669025	884030B36M0607Y	6000			
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			1200669877	884030B33M250A	25000						
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DOCUMENT STATUS			P1	RELEASE DATE	2024/07/02	09:17:54					
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MOLEX PN			ENGINEERING No			L [mm]			MOLEX PN		
3P CABLE B30			5P CABLE B30			5P CABLE B33			4P CABLE B36		
1200											

	10	9	8	7	6	5	4	3	2	1		
F	PART LIST										F	
E	MOLEX PNENGINEERING NoL [mm]			MOLEX PNENGINEERING NoL [mm]							E	
	8P CABLE B41			4P CABLE B55								
	1200668895	888030B41M006	600	1200669734	884030B55M005Y	500						
	1200668896	888030B41M010	1000	1200669618	884030B55M010Y	1000						
	1200665461	888030B41M010R	1000	1200669263	884030B55M020Y	2000						
	1200668897	888030B41M020	2000	1200669264	884030B55M030Y	3000						
	1200665462	888030B41M020R	2000	1200669265	884030B55M040Y	4000						
	1200668898	888030B41M030	3000	1200669266	884030B55M050Y	5000						
	1200665463	888030B41M030R	3000	1200669267	884030B55M060Y	6000						
	1200665464	888030B41M040R	4000	1200669418	884030B55M070Y	7000						
D	1200668899	888030B41M050	5000	1200657251	884030B55M080Y	8000					D	
	1200665465	888030B41M050R	5000	1200657252	884030B55M090Y	9000						
	1200669177	888030B41M090	9000	1200669268	884030B55M100Y	10000						
	1200668900	888030B41M100	10000	1200669269	884030B55M120Y	12000						
	1200669567	888030B41M150	15000	1200669270	884030B55M150Y	15000						
	1200669568	888030B41M200	20000	1200657253	884030B55M160Y	16000						
	5P CABLE B42			1200669271	884030B55M200Y	20000						
	1200668823	885030B42M006	600	1200669742	884030B55M250Y	25000						
	1200668824	885030B42M010	1000	1200669743	884030B55M300Y	30000						
	1200668825	885030B42M020	2000	5P CABLE B55								
C	1200668826	885030B42M030	3000	1200669663	885030B55M010Y	1000					C	
	1200668827	885030B42M050	5000	1200669664	885030B55M020Y	2000						
	1200668828	885030B42M100	10000	1200669665	885030B55M030Y	3000						
	1200659548	885030B42M150	15000	1200669666	885030B55M050Y	5000						
	1200659549	885030B42M200	20000	1200669667	885030B55M100Y	10000						
	8P CABLE B49			1200669668	885030B55M150Y	15000						
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												B
A											A	