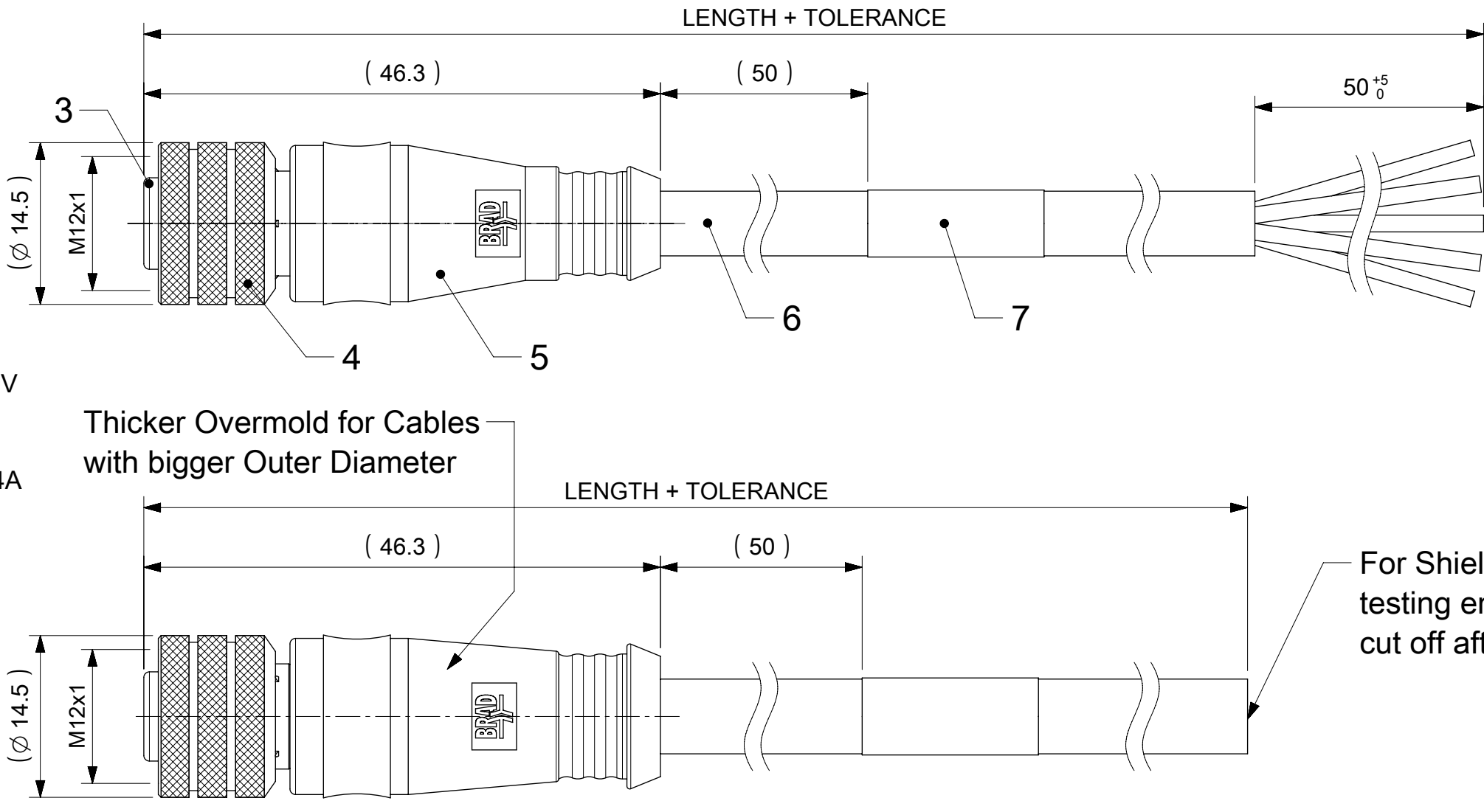


FEMALE PLUG M12 STRAIGHT

NOTES:
RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C



CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN	1	WHITE
2	---	2	WHITE	2	WHITE	2	BROWN
3	BLUE	3	BLUE	3	BLUE	3	GREEN
4	BLACK OR YELLOW/GREEN	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY OR YELLOW/GREEN	5	GREY
						6	PINK
						7	BLUE
						8	RED

CODING REQUIRED TO IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YELLOW	VINYL	---					
	-	PRINTING FOR CABLES lxx	---	---					
6	-	CABLE	SEE SHEET 2	---					
5	-	OVERMOLDING BLACK	TPU	---					
4	1	COUPLING NUT FEMALE	BRASS	NICKEL					
3	1	INSERT FEMALE BLACK	PUR	---					
2	1	ORING RED	FPM	---					
1	3 / 4 / 5 / 8	CONTACT M12 FEMALE	BRASS	SELECTIVE Au OVER Ni					
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		CURRENT REV DESC: ADDED NEW P/N: 1200651287; 1200651293; 1200651300; 1200652022							
mm		molex CSE M12 XP AC FE STR XM SE UNSH PRODUCT CUSTOMER DRAWING							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 1.0 °									
4 PLACES ±									
3 PLACES ±		DRWN: AKABADI 2023/10/22 CHK'D: THAERDT 2024/01/30 APPR: THAERDT 2024/01/30							
2 PLACES ± 0.05		INITIAL REVISION: DRWN: JMARSZALEK 2016/01/12 APPR: RSILLER 2016/04/08							
1 PLACE ± 0.3		DOCUMENT NUMBER 1200658605							
0 PLACES ± 0.5									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	DOC TYPE	DOC PART	REVISION
			A3-SIZE	120065	SEE PART LIST	GENERAL MARKET	PSD	000	A7

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

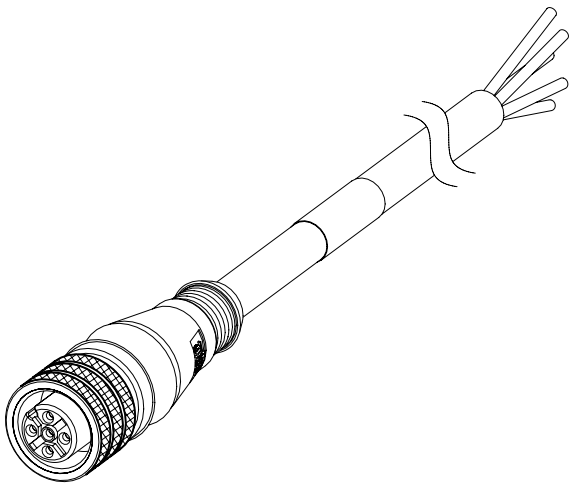


OPTIONS

8	0	X	0	0	0	X	X	X	X	X	X	X	X
80=M12x1 Single ended		Contacts: 3=3 Contacts 4=4 Contacts 5=5 Contacts 8=8 Contacts	Heads style: 000=Plug Female Straight			Cable type: See Table			Units: M=Meter C=Centimeter	Length Examples: 005=0.5 unit 010=1 unit 100=10 units		Overmold color: Blank (Standard) Blank=Yellow T Blank=Yellow T A=Grey / G=Bl	

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	SHIELD
E13	3	18AWG	PVC YELLOW	UL 2661/1731	I/II A/B 80°C/300V	-	-	-	-
E52	3 / 4 / 8	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E63	5	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
H12	4	0.50mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-50°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000, Temp max 60°C	-
H69	4	0.20mm²	PUR GREY LS0H	-	-	-	-	-	-
I02	3 / 4 / 8	0.25mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I04	4	0.50mm²	PVC CEI GREY	-	-	-25°C to +70°C	-5°C to +70°C	-	-
I20	3 / 4	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
I26	5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
K03	4 / 5	0.34mm²	TPE YELLOW	UL JEC 60332-1 or PLCT	I/II 90°C/300V	-	-	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
P04	4	0.50mm²	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-	-
P12	3 / 5	0.50mm²	PUR BLACK	-	-	-30°C to +90°C	-5°C to +90°C	-	-
P19	8	0.25mm²	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	2 000 000 cycles, 15xO.D.	YES
P20	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	-	-	-30°C to +80°C	-	-	YES
P82	3 / 4 / 5	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-
S19	8	0.25mm²	PVC YELLOW	UL 2661/1569	C22.2 II A 105°C/300V	-30°C to +105°C, 10xO.D.	-15°C to +105°C, 15xO.D.	-	YES
S20	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES
S26	5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES



SCALE 1:1

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED NEW P/N: 1200651287; 1200651293; 1200651300; 1200652022				molex					
mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 775470 DRWN: AKABADI 2023/10/22 CHK'D: THAERDT 2024/01/30 APPR: THAERDT 2024/01/30				CSE M12 XP AC FE STR XM SE UNSH					
ANGULAR TOL ± 1.0 °								PRODUCT CUSTOMER DRAWING					
4 PLACES		±						DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
3 PLACES		±						1200658605			PSD	000	A7
2 PLACES		± 0.05		INITIAL REVISION:									
1 PLACE		± 0.3		DRWN: JMARSZALEK 2016/01/12									
0 PLACES		± 0.5		APPR: RSILLER 2016/04/08									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER		
						A3-SIZE	120065	SEE PART LIST		GENERAL MARKET	2 OF 4		

10	9	8	7	6	5	4	3	2	1
PART LIST									
MOLEX P/N			ENGINEERING No.		L [mm]				
3P CABLE E13									
1200658524	803000E13M030	3000							
3P CABLE E52									
1200651767	803000E52M050A	5000							
1200658293	803000E52M3001A	30000							
4P CABLE E52									
1200064254	804000E52M010A	1000							
1200651778	804000E52M050A	5000							
1200651857	804000E52M100A	10000							
1200060436	804000E52M200A	20000							
1200061620	804000E52M3001A	30000							
1200063819	804000E52K0011A	100000							
8P CABLE E52									
1200657335	808000E52M005	500							
1200658236	808000E52M020	2000							
1200062049	808000E52M050	5000							
1200659997	808000E52M100	10000							
5P CABLE E63									
1200658015	805000E63M020A	2000							
1200061936	805000E63M050A	5000							
4P CABLE H12									
1200659593	804000H12M020	2000							
1200659767	804000H12M0209	2000							
1200659768	804000H12M0309	3000							
1200659113	804000H12M050	5000							
1200659769	804000H12M0509	5000							
1200659271	804000H12M100	10000							
1200659770	804000H12M1009	10000							
3P CABLE H69									
1200062094	803000H69M050	5000							
4P CABLE H69									
1200061680	804000H69M050	5000							
1200658242	804000H69M300	30000							
8P CABLE I02									
1200658677	808000I02M010	1000							
1200658678	808000I02M020	2000							
1200658679	808000I02M030	3000							
1200658680	808000I02M040	4000							
1200658681	808000I02M050	5000							
1200658682	808000I02M100	10000							
MOLEX P/N			ENGINEERING No.		L [mm]				
3P CABLE I03									
1200060145	803000I03M020	2000							
1200659119	803000I03M020Y	2000							
1200658593	803000I03M040	4000							
1200060030	803000I03M050	5000							
1200659064	803000I03M050Y	5000							
1200060148	803000I03M100	10000							
4P CABLE I03									
1200658599	804000I03M010	1000							
1200658701	804000I03M010G	1000							
1200060452	804000I03M020	2000							
1200658702	804000I03M020G	2000							
1200659075	804000I03M020Y	2000							
1200060454	804000I03M030	3000							
1200658703	804000I03M030G	3000							
1200659177	804000I03M030Y	3000							
1200658600	804000I03M040	4000							
1200658704	804000I03M040G	4000							
1200060017	804000I03M050	5000							
1200658705	804000I03M050G	5000							
1200659060	804000I03M050Y	5000							
1200063205	804000I03M060	6000							
1200064230	804000I03M080	8000							
1200060033	804000I03M100	10000							
1200061970	804000I03M100A	10000							
1200658706	804000I03M100G	10000							
1200659065	804000I03M100Y	10000							
1200061955	804000I03M200A	20000							
1200061956	804000I03M300A	30000							
1200061957	804000I03M400A	40000							
5P CABLE I03									
1200658605	805000I03M010	1000							
1200658283	805000I03M020	2000							
1200060644	805000I03M030	3000							
1200658606	805000I03M040	4000							
1200062003	805000I03M050	5000							
1200063824	805000I03M050G	5000							
1200659085	805000I03M050Y	5000							
1200060645	805000I03M100	10000							
1200655025	805000I03M100G	10000							
1200659371	805000I03M100Y	10000							
MOLEX P/N			ENGINEERING No.		L [mm]				
4P CABLE I04									
1200063562	804000I04M030	3000							
1200659621	804000I04M050	5000							
3P CABLE I20									
1200061559	803000I20M100	10000							
1200659558	803000I20M100Y	10000							
4P CABLE I20									
1200064164	804000I20M020	2000							
1200658221	804000I20M050	5000							
1200064161	804000I20M100	10000							
1200658543	804000I20M150	15000							
5P CABLE I26									
1200658817	805000I26M010	1000							
1200061727	805000I26M050	5000							
1200659116	805000I26M050Y	5000							
1200062969	805000I26M100	10000							
1200659090	805000I26M100Y	10000							
4P CABLE K03									
1200652022	804000K03M006	600							
1200651287	804000K03M010	1000							
1200651293	804000K03M050	5000							
1200651300	804000K03M100	10000							
5P CABLE K03									
1200651367	805000K03M020	2000							
1200651370	805000K03M050	5000							
1200651373	805000K03M100	10000							
3P CABLE K05									
1200651108	803000K05M020	2000							
1200651110	803000K05M050	5000							
4P CABLE K05									
1200651121	804000K05M020	2000							
1200651122	804000K05M030	3000							
1200651124	804000K05M050	5000							
1200651126	804000K05M100	10000							
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: ADDED NEW P/N: 1200651287; 1200651293; 1200651300; 1200652022				molex	
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± 1.0 °							
4 PLACES		±		EC NO: 775470				CSE M12 XP AC FE STR XM SE UNSH	
3 PLACES		±		DRWN: AKABADI 2023/10/22					
2 PLACES		± 0.05		CHK'D: THAERDT 2024/01/30 APPR: THAERDT 2024/01/30					
1 PLACE		± 0.3		INITIAL REVISION:				PRODUCT CUSTOMER DRAWING	
0 PLACES		± 0.5		DRWN: JMARSZALEK 2016/01/12 APPR: RSILLER 2016/04/08				DOCUMENT NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER	
				A3-SIZE		120065		3 OF 4	
DOCUMENT STATUS		P1		RELEASE DATE		2024/01/30 10:40:43			
9		8		7		6		5	
4		3		2		1			

