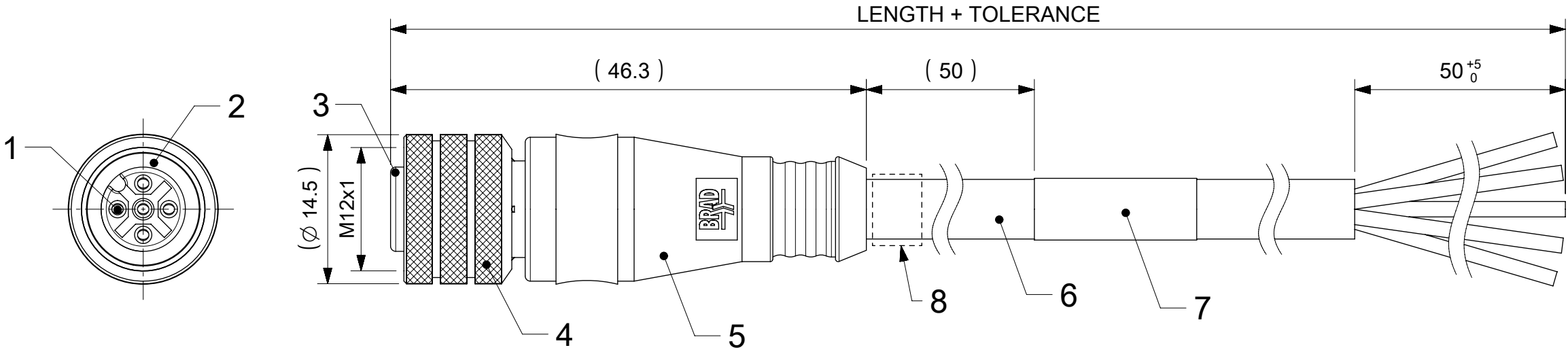


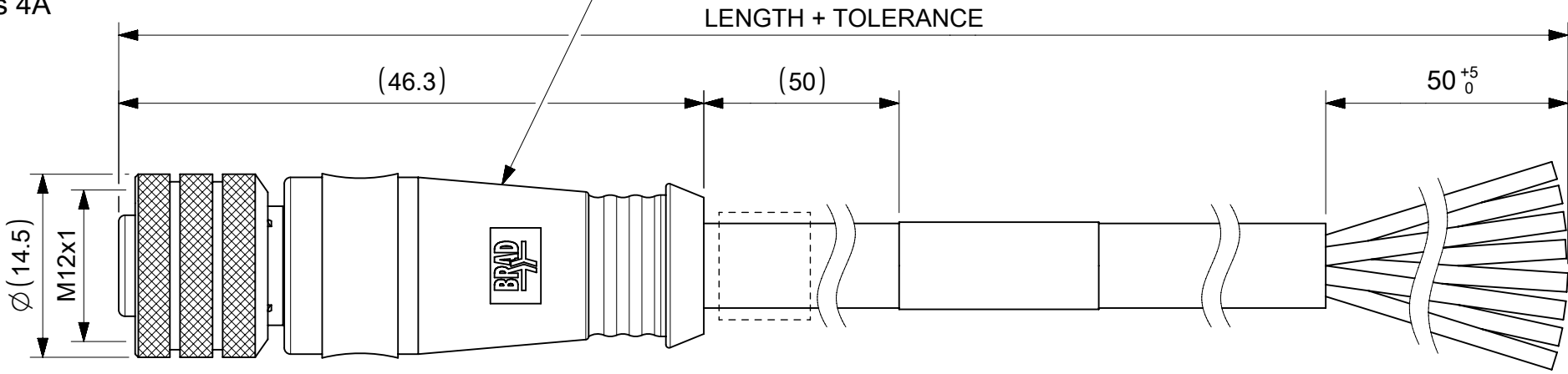
FEMALE PLUG M12 STRAIGHT



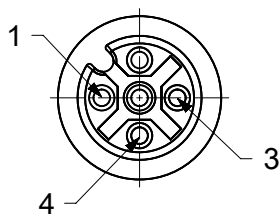
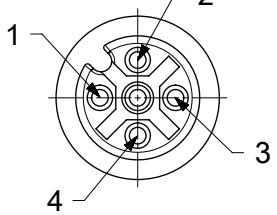
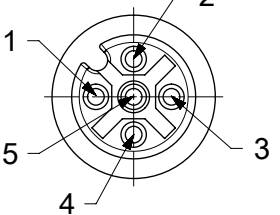
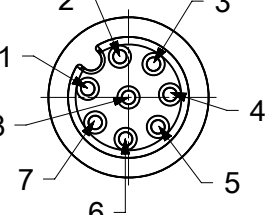
NOTES:

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

Thicker Overmold for Cables
with bigger Outer Diameter



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	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY	5	GREY
						6	PINK
						7	BLUE
						8	RED
CODING REQUIRED TO IEC 61076-2-101							

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

8	SEE MATRIX	ID CARRIER	PVC	TRANSPARENT
7	1	LABEL YELLOW	VINYL	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOLDING	TPU	SEE PART LIST
4	1	COUPLING NUT FEMALE	SEE PART LIST	SEE PART LIST
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE Au OVER Ni
	8		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													
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED NEW PNS			molex					
	mm		2:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)							EC NO: 695290 DRWN: MDHARMANTI 2021/11/29 CHK'D: RSILLER 2022/02/11 APPR: RSILLER 2022/02/11			CSE M12 XP AC FE STR XM SE UNSH		
	ANGULAR TOL ± 1.0 °												
DIVISIONAL SYMBOLS	4 PLACES ±		EC NO: 695290 DRWN: MDHARMANTI 2021/11/29 CHK'D: RSILLER 2022/02/11 APPR: RSILLER 2022/02/11 INITIAL REVISION: DRWN: JMARSZALEK 2016/01/11 APPR: RSILLER 2016/04/08		DOCUMENT NUMBER								
	3 PLACES ±				1200651978			PSD	000	A9			
	2 PLACES ± 0.05				MATERIAL NUMBER			CUSTOMER		SHEET NUMBER			
	1 PLACE ± 0.3				SEE SHEET 3-4			GENERAL MARKET		1 OF 4			
	0 PLACES ± 0.5												
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES				
						A3-SIZE		120065					

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

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel _____
5=Knurled Derlin _____
7=Knurled Brass Ni Plated, Teflon Coated _____
9=Knurled / Hexagonal Brass Ni Plated _____

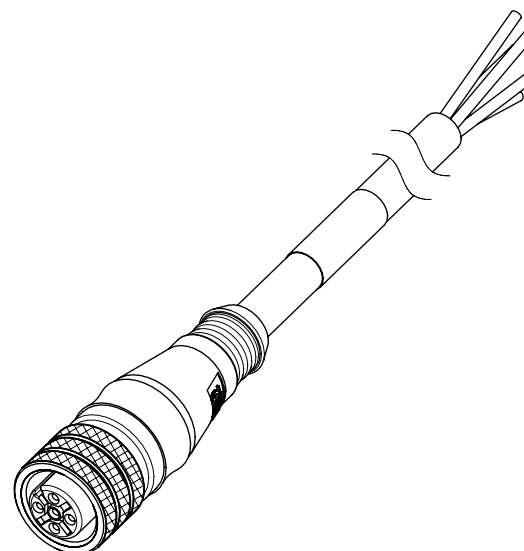
H= 2 pcs. of I/D Carrier PVC Transparent

CABLE INFORMATION (for more information see Cable Data Sheet).

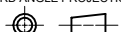
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIEL
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

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



SCALE 1:1

FUNCTIONAL SYMBOLS	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 PNS			molex				
 = 0	mm	1:1								
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)									
 = 0	ANGULAR TOL ± 1.0 °									
DIVISIONAL SYMBOLS	4 PLACES	±				EC NO: 695290			CSE M12 XP AC FE STR XM SE UNSH	
	3 PLACES	±	DRWN: MDHARMANTI 2021/11/29							
	2 PLACES	± 0.05	CHK'D: RSILLER 2022/02/11							
	1 PLACE	± 0.3	APPR: RSILLER 2022/02/11			PRODUCT CUSTOMER DRAWING				
	0 PLACES	± 0.5	INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
			A3-SIZE	120065	SEE SHEET 3-4	GENERAL MARKET		2 OF 4		
		DRWN: JMARSZALEK 2016/01/11			1200651978		PSD	000	A9	
		APPR: RSILLER 2016/04/08								

DOCUMENT STATUS	P1	RELEASE DATE	2022/02/11	06:52:22
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No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1	1200060001	803000E03M020	2m	36	1200060458	804000P03M0501	5m	71	1200063673	803000P03M1001	10m	106	1200658008	804000H09M050H	5m	1	1200060002	803000E03M050	5m	37	1200060461	804000P03M200	20m	72	1200063779	805000E03M300	30m	107	1200658009	804000H09M100H	10m	11	1200060003	803000E03M100	10m	38	1200060634	805000E03M020	2m	73	1200063940	804000P03M0051	0.5m	108	1200658020	805000P03M040	4m	12	1200060004	803000P03M020	2m	39	1200060638	805000E03M100	10m	74	1200064033	804000P03M120	12m	109	1200658021	808000P02M150	15m	13	1200060005	803000P03M050	5m	40	1200060646	805000P03M003	0.3m	75	1200064093	803000P03M032	3.2m	110	1200658022	808000P02M030	3m	14	1200060006	803000P03M100	10m	41	1200060647	805000P03M020	2m	76	1200064292	805000P03M200	20m	111	1200658064	804000P03M010	1m	15	1200060014	804000E03M020	2m	42	1200060649	805000P03M100	10m	77	1200064422	804000E03M120	12m	112	1200658081	805000E03M200	20m	16	1200060015	804000E03M050	5m	43	1200061337	804000E03M0205	2m	78	1200064434	804000H09M050G	5m	113	1200658165	805000E03M030	3m	17	1200060016	804000E03M100	10m	44	1200061431	805000P03M150	15m	79	1200065004	805000P03M0201	2m	114	1200658172	805000H09M020	2m	18	1200060018	804000P03M020	2m	45	1200061528	804000E03M250	25m	80	1200065006	804000H09M250G	25m	115	1200658173	805000H09M050	5m	19	1200060019	804000P03M050	5m	46	1200061765	803000P03M002	0.2m	81	1200065012	803000P03M030G	3m	116	1200658174	805000H09M100	10m	20	1200060027	803000E03M006	0.6m	47	1200061785	804000P03M006	0.6m	82	1200650951	808000P02M020	2m	117	1200658175	803000H09M020	2m	21	1200060032	804000E03M005	0.5m	48	1200061913	804000E03M300	30m	83	1200650952	808000P02M040	4m	118	1200658176	803000H09M050	5m	22	1200060034	804000P03M025	2.5m	49	1200061958	803000E03M021	2.1m	84	1200650953	808000P02M050	5m	119	1200658177	803000H09M100	10m	23	1200060107	803000E03M003	0.3m	50	1200062071	803000E03M060	6m	85	1200650954	808000P02M060	6m	120	1200658178	804000H09M020	2m	24	1200060113	803000E03M030	3m	51	1200062098	803000P03M006	0.6m	86	1200650955	808000P02M080	8m	121	1200658179	804000H09M050	5m	25	1200060116	803000E03M0505	5m	52	1200062130	804000E03M050H	5m	87	1200650956	808000P02M0801	8m	122	1200658190	804000H09M100	10m	26	1200060117	803000E03M1005	10m	53	1200062167	804000P03M100H	10m	88	1200650957	808000P02M100	10m	124	1200658197	805000P03M010	1m	27	1200060119	803000E03M150	15m	54	1200062264	804000E03M1505	15m	89	1200651769	803000P03M050G	5m	125	1200658208	805000E03M0061	✱	0.6m	28	1200060121	803000E03M200	20m	55	1200062347	804000P03M050H	5m	90	1200651780	804000P03M050G	5m	126	1200658210	805000E03M0501	✱	5m	29	1200060124	803000E03M2505	25m	56	1200062521	805000P03M030	3m	91	1200651782	804000P03M100	10m	127	1200658219	803000E03M0201	✱	2m	30	1200060152	803000P03M010	1m	57	1200062772	803000P03M250	25m	92	1200651792	805000P03M050	5m	128	1200658224	808000E02M050		5m	31	1200060153	803000P03M030	3m	58	1200062811	803000P03M100H	10m	93	1200651794	808000P02M010	1m	129	1200658228	804000E03M3001	✱	30m	32	1200060157	803000P03M150	15m	59	1200062853	804000P03M150	15m	94	1200651795	808000P02M070	7m	130	1200658244	808000H08M050		5m	33	1200060158	803000P03M200	20m	60	1200062866	804000E03M020H	2m	95	1200651817	808000P02M200	20m	131	1200658264	808000H08M100		10m	34	1200060426	804000E03M010	1m	61	1200062992	804000E03M200H	20m	96	1200651818	808000P02M250	25m	133	1200658277	808000E02M020		2m	35	1200060427	804000E03M0201	✱✱	2m	62	1200063121	804000P03M0053		0.5m	97	1200651820	808000P02M300	30m	134	1200658278	808000E02M100		10m	36	1200060428	804000E03M030	3m	63	1200063224	804000E03M003		0.3m	98	1200651820	808000P02M300	30m	135	1200658288	804000E03M050G		5m	37	1200060429	804000E03M0501	✱	5m	65	1200063314	805000E03M010		1m	99	1200651978	805000E03M050	5m	136	1200658309	808000E02M0501		5m	38	1200060430	804000E03M0505	5m	66	1200063402	804000P03M003		0.3m	100	1200652143	804000P03M040	4m	137	1200658321	804000P03M005		0.5m	39	1200060431	804000E03M150	15m	67	1200063407	804000E03M1001	✱	10m	101	1200652144	804000P03M060	6m	138	1200658331	805000E03M050H		5m	40	1200060432	804000E03M200	20m	68	1200063415	803000P03M0707		7m	102	1200652154	805000P03M060	6m	139	1200658350	803000E03M1001	✱	10m	41	1200060432	804000E03M200	20m	69	1200063443	804000E03M030H		3m	103	1200652154	805000P03M060	6m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

