

9	8	7	6	5	4	3	2	1
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D

C

B

A

1

1

1

5



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B

A

1

BA

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 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

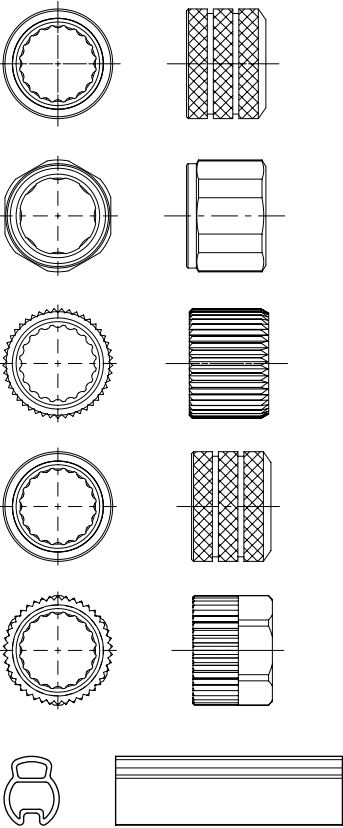
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

COUPLING NUTS

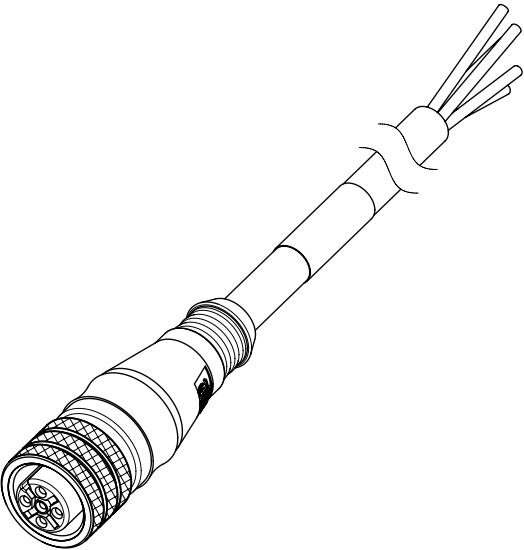


CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	3 / 4 / 5 / 8	0.25mm ²	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	0.34mm ²	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	0.25mm ²	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	0.34mm ²	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	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm ²	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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
QUALITY SYMBOLS		2018/10/25 2018/10/25 2018/10/25 EC NO: 606584 DRWN: AKONDRACIUK CHK'D: DSTACHOWIAK APPR: DSTACHOWIAK A3 REV				GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® CSE M12 XP AC FE STR XM SE UNSH					
FA = 0						ANGULAR TOL ± 1.0 °		mm		1:1							
FB = 0						4 PLACES ±		DRWN BY		DATE		JMARSZALEK 2016/01/11					
FC = 0						3 PLACES ±		CHK'D BY		DATE							
FD = 0						2 PLACES ± 0.05		APPR BY		DATE							
FE = 0						1 PLACE ± 0.3		RSILLER		2016/04/08		PRODUCT CUSTOMER DRAWING					
FF = 0						0 PLACES ± 0.5		DRAWING SIZE		THIRD ANGLE PROJECTION						SERIES	
FG = 0						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3				120065		SEE SHEET 3-4		GENERAL MARKET	
FH = 0								DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER			
FI = 0								1200651978		PSD		000		2 OF 4			
FJ = 0																	
FK = 0																	
FL = 0																	
FM = 0																	
FN = 0																	

9				8				7				6				5				4				3				2				1			
PART LIST																																			
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	1200060115	803000E03M0501	*	5m	52	1200062130	804000E03M050H	5m	87	1200650954	808000P02M060	6m	122	1200658190	804000H09M100	10m			
2	1200060002	803000E03M050	5m	37	1200060461	804000P03M200	20m	72	1200063779	805000E03M300	30m	107	1200658009	804000H09M100H	10m	18	1200060116	803000E03M0505	5m	53	1200062167	804000P03M100H	10m	88	1200650955	808000P02M080	8m	123	1200658191	804000H09M150	15m				
3	1200060003	803000E03M100	10m	38	1200060634	805000E03M020	2m	73	1200063940	804000P03M0051	0.5m	108	1200658020	805000P03M040	4m	19	1200060117	803000E03M1005	10m	54	1200062264	804000E03M1505	15m	89	1200650956	808000P02M0801	8m	124	1200658197	805000P03M010	1m				
4	1200060004	803000P03M020	2m	39	1200060638	805000E03M100	10m	74	1200064033	804000P03M120	12m	109	1200658021	808000P02M150	15m	20	1200060119	803000E03M150	15m	55	1200062347	804000P03M050H	5m	90	1200650957	808000P02M100	10m	125	1200658208	805000E03M0061	*	0.6m			
5	1200060005	803000P03M050	5m	40	1200060646	805000P03M003	0.3m	75	1200064093	803000P03M032	3.2m	110	1200658022	808000P02M030	3m	21	1200060121	803000E03M200	20m	56	1200062521	805000P03M030	3m	91	1200651769	803000P03M050G	5m	126	1200658210	805000E03M0501	*	5m			
6	1200060006	803000P03M100	10m	41	1200060647	805000P03M020	2m	76	1200064292	805000P03M200	20m	111	1200658064	804000P03M010	1m	22	1200060124	803000E03M2505	25m	57	1200062772	803000P03M250	25m	92	1200651780	804000P03M050G	5m	127	1200658219	803000E03M0201	*	2m			
7	1200060014	804000E03M020	2m	42	1200060649	805000P03M100	10m	77	1200064313	805000P03M200G	20m	112	1200658081	805000E03M200	20m	23	1200060152	803000P03M010	1m	58	1200062811	803000P03M100H	10m	93	1200651782	804000P03M100	10m	128	1200658224	808000E02M050	5m				
8	1200060015	804000E03M050	5m	43	1200061337	804000E03M0205	2m	78	1200064390	804000P03M1001	10m	113	1200658165	805000E03M030	3m	24	1200060153	803000P03M030	3m	59	1200062853	804000P03M150	15m	94	1200651792	805000P03M050	5m	129	1200658228	804000E03M3001	*	30m			
9	1200060016	804000E03M100	10m	44	1200061431	805000P03M150	15m	79	1200064422	804000E03M120	12m	114	1200658172	805000H09M020	2m	25	1200060157	803000P03M150	15m	60	1200062866	804000E03M020H	2m	95	1200651794	808000P02M010	1m	130	1200658244	808000H08M050	5m				
10	1200060018	804000P03M020	2m	45	1200061528	804000E03M250	25m	80	1200064434	804000H09M050G	5m	115	1200658173	805000H09M050	5m	26	1200060158	803000P03M200	20m	61	1200062992	804000E03M200H	20m	96	1200651795	808000P02M070	7m	131	1200658264	808000H08M100	10m				
11	1200060019	804000P03M050	5m	46	1200061765	803000P03M002	0.2m	81	1200065004	805000P03M0201	2m	116	1200658174	805000H09M100	10m	27	1200060426	804000E03M010	1m	62	1200063121	804000P03M0053	0.5m	97	1200651817	808000P02M200	20m	132	1200658270	804000E03M1005	10m				
12	1200060027	803000E03M006	0.6m	47	1200061785	804000P03M006	0.6m	82	1200065006	804000H09M250G	25m	117	1200658175	803000H09M020	2m	28	1200060427	804000E03M0201	**	2m	63	1200063224	804000E03M003	0.3m	98	1200651818	808000P02M250	25m	133	1200658277	808000E02M020	2m			
13	1200060032	804000E03M005	0.5m	48	1200061913	804000E03M300	30m	83	1200065012	803000P03M030G	3m	118	1200658176	803000H09M050	5m	29	1200060428	804000E03M030	3m	64	1200063227	804000P03M0063	0.6m	99	1200651820	808000P02M300	30m	134	1200658278	808000E02M100	10m				
14	1200060034	804000P03M025	2.5m	49	1200061958	803000E03M021	2.1m	84	1200650951	808000P02M020	2m	119	1200658177	803000H09M100	10m	30	1200060429	804000E03M0501	*	5m	65	1200063314	805000E03M010	1m	100	1200651978	805000E03M050	5m	135	1200658288	804000E03M050G	5m			
15	1200060107	803000E03M003	0.3m	50	1200062071	803000E03M060	6m	85	1200650952	808000P02M040	4m	120	1200658178	804000H09M020	2m	31	1200060430	804000E03M0505	5m	66	1200063402	804000P03M003	0.3m	101	1200652143	804000P03M040	4m	136	1200658309	808000E02M0501	5m				
16	1200060113	803000E03M030	3m	51	1200062098	803000P03M006	0.6m	86	1200650953	808000P02M050	5m	121	1200658179	804000H09M050	5m	32	1200060431	804000E03M150	15m	67	1200063407	804000E03M1001	*	10m	102	1200652144	804000P03M060	6m	137	1200658321	804000P03M005	0.5m			
17	1200060115	803000E03M0501	*	5m	52	1200062130	804000E03M050H	5m	87	1200650954	808000P02M060	6m	122	1200658190	804000H09M100	10m	33	1200060432	804000E03M200	20m	68	1200063415	803000P03M0707	7m	103	1200652154	805000P03M060	6m	138	1200658331	805000E03M050H	5m			
18	1200060116	803000E03M0505	5m	53	1200062167	804000P03M100H	10m	88	1200650955	808000P02M080	8m	123	1200658191	804000H09M150	15m	34	1200060456	804000P03M0201	2m	69	1200063443	804000E03M030H	3m	104	1200655073	808000P02M003	0.3m	139	1200658350	803000E03M1001	*	10m			
19	1200060117	803000E03M1005	10m	54	1200062264	804000E03M1505	15m	89	1200650956	808000P02M0801	8m	124	1200658197	805000P03M010	1m	35	1200060457	804000P03M030	3m	70	1200063647	804000E03M2001	20m	105	1200655081	805000E03M150	15m	140	1200658473	804000H09M030	3m				
20	1200060119	803000E03M150	15m	55	1200062347	804000P03M050H	5m	90	1200650957	808000P02M100	10m	125	1200658208	805000E03M0061	*	0.6m																			
21	1200060121	803000E03M200	20m	56	1200062521	805000P03M030	3m	91	1200651769	803000P03M050G	5m	126	1200658210	805000E03M0501	*	5m																			
22	1200060124	803000E03M2505	25m	57	1200062772	803000P03M250	25m	92	1200651780	804000P03M050G	5m	127	1200658219	803000E03M0201	*	2m																			
23	1200060152	803000P03M010	1m	58	1200062811	803000P03M100H	10m	93	1200651782	804000P03M100	10m	128	1200658224	808000E02M050	5m																				
24	1200060153	803000P03M030	3m	59	1200062853	804000P03M150	15m	94	1200651792	805000P03M050	5m	129	1200658228	804000E03M3001	*	30m																			
25	1200060157	803000P03M150	15m	60	1200062866	804000E03M020H	2m	95	1200651794	808000P02M010	1m	130	1200658244	808000H08M050	5m																				
26	1200060158	803000P03M200	20m	61	1200062992	804000E03M200H	20m	96	1200651795	808000P02M070	7m	131	1200658264	808000H08M100	10m																				
27	1200060426	804000E03M010	1m	62	1200063121	804000P03M0053	0.5m	97	1200651817	808000P02M200	20m	132	1200658270	804000E03M1005	10m																				
28	1200060427	804000E03M0201	**	2m	63	1200063224	804000E03M003	0.3m	98	1200651818	808000P02M250	25m	133	1200658277	808000E02M020	2m																			
29	1200060428	804000E03M030	3m	64	1200063227	804000P03M0063	0.6m	99	1200651820	808000P02M300	30m	134	1200658278	808000E02M100	10m																				
30	1200060429	804000E03M0501	*	5m	65	1200063314	805000E03M010	1m	100	1200651978	805000E03M050	5m	135	1200658288	804000E03M050G	5m																			
31	1200060430	804000E03M0505	5m	66	1200063402	804000P03M003	0.3m	101	1200652143	804000P03M040	4m	136	1200658309	808000E02M0501	5m																				
32	1200060431	804000E03M150	15m	67	1200063407	804000E03M1001	*	102	1200652144	804000P03M060	6m	137	1200658321	804000P03M005	0.5m																				
33	1200060432	804000E03M200	20m	68	1200063415	803000P03M0707	7m	103	1200652154	805000P03M060	6m	138	1200658331	805000E03M050H	5m																				
34	1200060456	804000P03M0201	2m	69	1200063443	804000E03M030H	3m	104	1200655073	808000P02M003	0.3m	139	1200658350	803000E03M1001	*	10m																			
35	1200060457	804000P03M030	3m	70	1200063647	804000E03M2001	20m	105	1200655081	805000E03M150	15m	140	1200658473	804000H09M030	3m																				

NOTES:
* - Part No. with Yellow PVC overmolding
** - Part No. with Black PVC overmolding

QUALITY SYMBOLS

