

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 _____

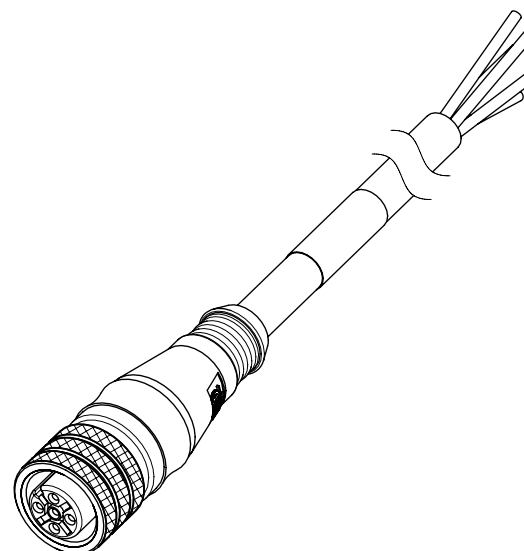
H= 2 pcs. of I/D Carrier PVC Transparent

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: NEW LENGTH ADDED	<div>molex</div>						
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)			CSE M12 XP AC FE STR XM SE UNSH								
	ANGULAR TOL ± 1.0 °											
4 PLACES ±												
DIVISIONAL SYMBOLS	3 PLACES ±		EC NO: 817713		PRODUCT CUSTOMER DRAWING							
	2 PLACES ± 0.05		DRWN: RSCHIEBER 2025/04/02									
	1 PLACE ± 0.3		CHK'D: RSILLER 2025/04/03									
	0 PLACES ± 0.5		APPR: RSILLER 2025/04/03		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		

DOCUMENT STATUS	P1	RELEASE DATE	2025/04/03	06:35:51
-----------------	----	--------------	------------	----------

F

E

10

DC

A

- B

A

10

10	9	8	7	6	5	4	3	2	1
PART LIST									
F	Part No.	Engineering No.	Cable Length	Part No.	Engineering No.	Cable Length	Part No.	Engineering No.	Cable Length
	1200658641	804000H09M040	4m	1200651795	808000P02M070	7m	1200659474	804000P03M250	25m
	1200658179	804000H09M050	5m	1200650955	808000P02M080	8m	1200659341	804000P03M2501	25m
	1200064434	804000H09M050G	5m	1200650956	808000P02M0801	8m	1200659475	804000P03M300	30m
	1200658008	804000H09M050H	5m	1200650957	808000P02M100	10m	1200657129	804000P03M400	40m
	1200658190	804000H09M100	10m	1200659553	808000P02M100H	10m	1200657130	804000P03M500	50m
	1200658009	804000H09M100H	10m	1200659397	808000P02M100Y	10m	5P P03 CABLE		
	1200658880	804000H09M200	20m	1200658021	808000P02M150	15m	1200060646	805000P03M003	0.3m
	1200065006	804000H09M250G	25m	1200659554	808000P02M150H	15m	1200659282	805000P03M005	0.5m
	5P H09 CABLE			1200651817	808000P02M200	20m	1200659283	805000P03M007	0.7m
E	1200658632	805000H09M010	1m	1200659334	808000P02M200H	20m	1200658197	805000P03M010	1m
	1200658633	805000H09M015	1.5m	1200651818	808000P02M250	25m	1200060647	805000P03M020	2m
	1200658172	805000H09M020	2m	1200651820	808000P02M300	30m	1200065004	805000P03M0201	2m
	1200658634	805000H09M030	3m	1200656766	808000P02M350	35m	1200659326	805000P03M020H	2m
	1200658635	805000H09M040	4m	1200656767	808000P02M400	40m	1200062521	805000P03M030	3m
	1200658173	805000H09M050	5m	3P P03 CABLE			1200658020	805000P03M040	4m
	1200658174	805000H09M100	10m	1200061765	803000P03M002	0.2m	1200651792	805000P03M050	5m
	1200657306	805000H09M100H	10m	1200062098	803000P03M006	0.6m	1200652154	805000P03M060	6m
	1200658780	805000H09M200	20m	1200060152	803000P03M010	1m	1200060649	805000P03M100	10m
	1200659144	805000H09M300	30m	1200060004	803000P03M020	2m	1200658991	805000P03M100H	10m
D	1200657264	805000H09M500	50m	1200060153	803000P03M030	3m	1200061431	805000P03M150	15m
	4P P02 CABLE			1200065012	803000P03M030G	3m	1200659329	805000P03M150H	15m
	1200658609	804000P02M020	2m	1200064093	803000P03M032	3.2m	1200064292	805000P03M200	20m
	1200658927	804000P02M050	5m	1200658610	803000P03M040	4m	1200659330	805000P03M200H	20m
	8P P02 CABLE			1200060005	803000P03M050	5m	1200659214	805000P03M300	30m
	1200655073	808000P02M003	0.3m	1200651769	803000P03M050G	5m	1200659594	805000P03M300H	30m
	1200658525	808000P02C350	0.35m	1200063415	803000P03M0707	7m	1200659595	805000P03M350H	35m
	1200651794	808000P02M010	1m	1200060006	803000P03M100	10m			
	1200659399	808000P02M015	1.5m	1200063673	803000P03M1001	10m			
	1200650951	808000P02M020	2m	1200062811	803000P03M100H	10m			
C	1200658022	808000P02M030	3m	1200060157	803000P03M150	15m			
	1200650952	808000P02M040	4m	1200060158	803000P03M200	20m			
	1200650953	808000P02M050	5m	1200062772	803000P03M250	25m			
	1200659552	808000P02M050H	5m						
	1200659092	808000P02M050Y	5m						
	1200650954	808000P02M060	6m						
B									
A									
NOTES: ✱ - Part No. with Yellow PVC overmolding ✱✱ - Part No. with Black PVC overmolding									
DOCUMENT STATUS P1 RELEASE DATE 2025/04/03 06:35:51									
10	9	8	7	6	5	4	3	2	1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
FUNCTIONAL SYMBOLS <div>FA= 0</div> <div>FE= 0</div> <div>FF= 0</div> <div>DIVISIONAL SYMBOLS</div>	DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW LENGTH ADDED EC NO: 817713 DRWN: RSCHIEBER 2025/04/02 CHK'D: RSILLER 2025/04/03 APPR: RSILLER 2025/04/03 INITIAL REVISION: DRWN: JMARSZALEK 2016/01/11 APPR: RSILLER 2016/04/08			<div>molex</div> CSE M12 XP AC FE STR XM SE UNSH									
	mm		1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)							PRODUCT CUSTOMER DRAWING									
	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		DOCUMENT NUMBER
				A3-SIZE		120065		1200651978		PSD		000		A12			