

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

8	8	X	0	3	1	X	X	X	X	X	X	X	X
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88=M12x1
Double ended

Poles:
3=3 Poles
4=4 Poles
5=5 Poles
8=8 Poles

Heads style: 031=Plug Female 90° to Plug Male Straight
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Cable type: See Table

Units:
M=Meter
C=Centimeter
T=10x Meter

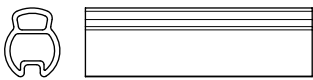
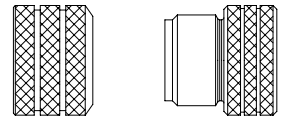
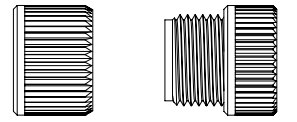
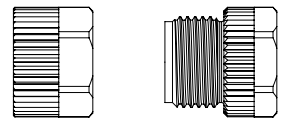
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

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

Coupling Nut:
Blank (Standard)=Knurled/Hex Brass, Ni Plated
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated

H= 2 pcs. of I/D Carrier PVC Transparent
(Cable B36 always with
2 pcs. I/D Carrier) _____

FEMALE MALE



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: 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-120209-001
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-002
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-003
B41	8	0.25mm²	TPU Black								SD-120209-006
B42	5	0.34mm²	TPU Black								SD-120209-007
B55	4 / 5	0.34mm²	TPU Yellow								n/a

CABLE LENGTH TOLERANCES		
LENGTH	TOLERANCE	
shorter 1m	+40 mm	-0 mm
1m-5m	+60 mm	-0 mm
5m-10m	+80 mm	-0 mm
10m-20m	+140 mm	-0 mm
20m-30m	+160 mm	-0 mm
longer 30m	+1%	-0 mm

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: CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO END TO END. UPDATED NOTES AND PART LIST SORTED USING CABLE TYPES IN SHEET 3			molex				
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)											
$\overline{F_A} = 0$	ANGULAR TOL ± 1.0 °		EC NO: 789428 DRWN: AKABADI 2023/03/10 CHK'D: RSILLER 2024/07/02 APPR: RSILLER 2024/07/02			CSE M12 XP AC FE RA WSOR MA STR XM DE						
$\overline{F_C} = 0$	4 PLACES ±											
DIVISIONAL SYMBOLS	3 PLACES ±		INITIAL REVISION: DRWN: JMARSZALEK 2016/08/12 APPR: RSILLER 2016/08/29			PRODUCT CUSTOMER DRAWING						
	2 PLACES ± 0.05					DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION
	1 PLACE ± 0.1					1200668999				PSD	000	B
	0 PLACES ± 0.2											
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER
				A3-SIZE	120066	SEE SHEET 3		GENERAL MARKET		2 OF 3		

10		9		8		7		6		5		4		3		2		1					
PART LIST																							
F		MOLEX PN		ENGINEERING No		L [mm]		MOLEX PN		ENGINEERING No		L [mm]		MOLEX PN		ENGINEERING No		L [mm]					
		3P CABLE B30								4P CABLE B33						5P CABLE B42							
		1200668877		883031B30M006		600				1200669574		884031B33M100				10000		1200669549		885031B36M0057H		500	
		1200668878		883031B30M010		1000				1200669624		884031B33M100A				10000		1200669060		885031B36M0057Y		500	
		1200668879		883031B30M020		2000				1200669625		884031B33M150A				15000		1200669550		885031B36M0107H		1000	
		1200668880		883031B30M030		3000				1200669626		884031B33M200A				20000		1200669061		885031B36M0107Y		1000	
		1200668881		883031B30M050		5000				5P CABLE B33						1200669551		885031B36M0157H		1500			
		1200668882		883031B30M100		10000				1200669908		885031B33M005A				500		1200669552		885031B36M0207H		2000	
		4P CABLE B30								1200669670		885031B33M010A				1000		1200669062		885031B36M0207Y		2000	
		1200669949		884031B30M003		300				1200669671		885031B33M020A				2000		1200669553		885031B36M0307H		3000	
E		1200668829		884031B30M006		600		1200669672		885031B33M030A		3000		1200669063		885031B36M0307Y		3000					
		1200668830		884031B30M010		1000		1200669673		885031B33M050A		5000		1200669064		885031B36M0407Y		4000					
		1200669520		884031B30M015		1500		1200669674		885031B33M100A		10000		1200669554		885031B36M0507H		5000					
		1200668831		884031B30M020		2000		1200669675		885031B33M150A		15000		1200669065		885031B36M0507Y		5000					
		1200668832		884031B30M030		3000		1200669676		885031B33M200A		20000		1200669066		885031B36M0607Y		6000					
		1200668833		884031B30M050		5000		1200669909		885031B33M300A		30000		1200669067		885031B36M0807Y		8000					
		1200669744		884031B30M080		8000		1200669910		885031B33M400A		40000		1200669555		885031B36M1007H		10000					
		1200668834		884031B30M100		10000		1200669911		885031B33M500A		50000		1200669068		885031B36M1007Y		10000					
		1200669285		884031B30M150		15000		MOLEX PNENGINEERING NO L [mm]						1200669069		885031B36M1207Y		12000					
		1200669566		884031B30M200		20000								1200669070		885031B36M1507Y		15000					
D		5P CABLE B30						4P CABLE B36						8P CABLE B41									
		1200668997		885031B30M006		600		1200669534		884031B36M0057H		500		1200668885		888031B41M020		2000					
		1200669241		885031B30M0067		600		1200669047		884031B36M0057Y		500		1200668887		888031B41M050		5000					
		1200668998		885031B30M010		1000		1200669564		884031B36M0067Y		600		1200668888		888031B41M100		10000					
		1200669371		885031B30M010H		1000		1200669535		884031B36M0107H		1000											
		1200668999		885031B30M020		2000		1200669048		884031B36M0107Y		1000											
		1200669243		885031B30M0207		2000		1200669536		884031B36M0157H		1500											
		1200669000		885031B30M030		3000		1200669049		884031B36M0157Y		1500											
		1200669001		885031B30M050		5000		1200669537		884031B36M0207H		2000											
		1200669002		885031B30M100		10000		1200669050		884031B36M0207Y		2000											
C		1200669677		885031B30M150		15000		1200669538		884031B36M0307H		3000											
		1200669678		885031B30M200		20000		1200669051		884031B36M0307Y		3000											
								1200669052		884031B36M0407Y		4000											
								1200669539		884031B36M0507H		5000											
								1200668861		884031B36M0507Y		5000											
								1200669053		884031B36M0607Y		6000											
								1200669054		884031B36M0807Y		8000											
								1200669540		884031B36M1007H		10000											
								1200668862		884031B36M1007Y		10000											
								1200669055		884031B36M1207Y		12000											
B								1200669056		884031B36M1507Y		15000											
								1200669057		884031B36M2007Y		20000											
								1200669058		884031B36M2507Y		25000											
								1200669059		884031B36M3007Y		30000											
A		MOLEX PN		ENGINEERING No		L [mm]																	
		4P CABLE B33																					
		1200669569		884031B33M005		500																	
		1200669581		884031B33M005A		500																	
		1200669570		884031B33M010		1000																	
		1200669582		884031B33M010A		1000																	
		1200669571		884031B33M020		2000																	
		1200669621		884031B33M020A		2000																	
		1200669572		884031B33M030		3000																	
		1200669622		884031B33M030A		3000																	
		1200669573		884031B33M050		5000																	
		1200669623		884031B33M050A		5000																	