



Table of lenght tolerances

Over (m)	Up to and including (m)	Tolerance (mm)(+)
0	1	+40/0
1	5	+60/0
5	10	+80/0
10	20	+140/0
20	30	+160/0
30	-	1 % of lenght

CHART 1

1300480313	E10A00612M020
1300480295	E10A00612M050
1300480296	E10A00612M100
1300480297	E10A00612M200
1300480298	E10A00612M300
1300488191	E10A00612M005
1300488185	E10A00612M030
1300488192	E10A00612M150

CONNECTOR SPECIFICATION:

VOLTAGE RATING	max 30V
AMPERAGE RATING	1,5 A
PROTECTION	IP67
OPERATING TEMPERATURE	SEE SHEET 2

5	CABLE	TPU	GREEN
4	OVERMOULDING	TPU	BLACK
3	COUPLING NUT MA SW13	BRASS	NICKEL PLETED
2	PIN CONTACT	COPPER ALLOY	GOLD OR NICKEL PLATED
1	INSERT	PUR	BLACK
ITEM	DESCRIPCION	MATERIAL	FINISH

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	mm	SCALE	1:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL ± 1.0 °		
▽ = 0	4 PLACES ±	CURRENT REV DESC:	
▽ = 0	3 PLACES ±	EC NO: 601422	
▽ = 0	2 PLACES ± 0.05	DRWN: SSM 2018/07/04	
▽ = 0	1 PLACE ± 0.3	CHK'D: SSM 2018/07/13	
▽ = 0	0 PLACES ± 0.5	APPR: RSILLER 2018/07/17	
☒ = 0	INITIAL REVISION:		
■ = 0	DRWN: RSILLER 2014/10/16		
▽ = 0	APPR: CBURGER 2014/10/16		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
		SERIES	130048
		MATERIAL NUMBER	SEE CHART 1
		CUSTOMER	GENERAL MARKET
		SHEET NUMBER	1 OF 2

molex

CSE M12 ETH 4P DC MA
STR WSOR XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-130048-011 DOC TYPE: PSD DOC PART: 001 REVISION: A1

E 1 0 A X X X 1 2 X X X X X

Networ Protocol E=Ethernet	First Connector 1=M12 Threaded 4 Pole D-code	Second Connector 0=No Connector	Wiring Scheme A=4 Pole	HEAD TYPE 006 Plugs male straight and single ended	Cable type 2x2x22AWG TPU, GREEN, SHIELD	LENGTH UNIT C-cm M-m K-km F-feet	LENGTH Example: 005 - 0,5M 020 - 2M 050 - 5M 100 - 10M 200 - 20M 300 - 30M	OPTIONS D- Decoupled (for Shielded version only)
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CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
CAB-12 4P	0.34mm ²	TPU GREEN	STYLE 21215	yes	-40°C to +80°C >5xO.D	-20°C to +60°C >15xO.D	2 mio cycles	WELD SLAG RESISTANCE

FOR CABLE SPECIFICATION SEE 1202098313 / SD-120209-007

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex
	DIMENSION UNITS	SCALE			
▽ = 0	mm	1:1			CSE M12 ETH 4P DC MA STR WSOR XM SE
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽ = 0	ANGULAR TOL ± 1.0 °				PRODUCT CUSTOMER DRAWING
▽ = 0	4 PLACES	±			
▽ = 0	3 PLACES	±			DOCUMENT NUMBER SD-130048-011
▽ = 0	2 PLACES	± 0.05			
▽ = 0	1 PLACE	± 0.3			DOC TYPE PSD
▽ = 0	0 PLACES	± 0.5			
□ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
▽ = 0				A3-SIZE	130048
			MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			SEE CHART 1	GENERAL MARKET	2 OF 2