This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 1200660378
Status: Active
Overview: microchange_m12_connectors
Description: Micro-Change® (M12) Double-Ended Cordset, Female to Male, 90° to Straight, 4 Poles, Length 2.0m (6.56'), TPE Cable

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR6837
UL	E152210

General

Product Family	Industrial Cordsets
Series	120066
Connector End A	Micro-Change® (M12)
Connector End B	Micro-Change® (M12)
IP Rating	IP67
NEMA Rating	NEMA 6
Overview	microchange_m12_connectors
Product Name	Micro-Change® (M12)
Type	Double Ended

Physical

Cable Diameter	5.33mm (.210")
Cable Length	2.0m (6.56')
Color - Cable Jacket	Yellow
Coupling Style	Threaded
Gender	Female-Male
Keyway	Single
LED Indicator	No
Material - Cable Jacket	TPE
Material - Connector Body	TPE
Material - Contact	Copper
Material - Coupling Nut	Nickel-plated Brass
Material - O-Ring	Viton
Material - Plating Mating	Gold over Nickel
Orientation	90° to Straight
Poles	4
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	22
Wire/Cable Type	UL 2464

Electrical

Current - Maximum per Contact	4A
Voltage - Maximum	250V AC/DC

Material Info

Old Part Number	884031K05M020

Reference - Drawing Numbers

Sales Drawing	SD-120066-024

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

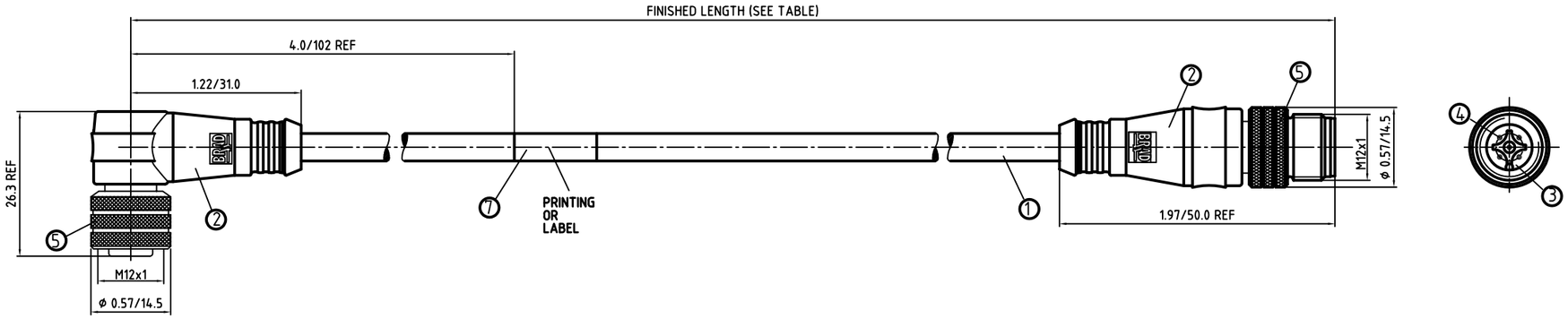
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

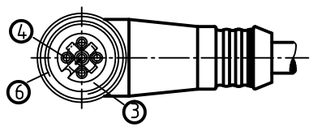
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
120066Series

This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





FEMALE FACE VIEW		
3-POLE	4-POLE	5-POLE
WIRING DIAGRAM		
1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY

MALE FACE VIEW		
3-POLE	4-POLE	5-POLE
WIRING DIAGRAM		
1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY

CONNECTOR SPECIFICATION:

VOLTAGE RATING	250 VAC/VDC
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	-20°C TO 105°C

ITEM	COMPONENT	MATERIAL	FINISH
7	LABLE	MYLAR	BLACK/YELLOW
6	O-RING	VITON	RED
5	COUPLER	BRASS	NICKEL PLATED
4	SOCKET/PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	NYLON	BLACK
2	OVERMOLD	TPE	YELLOW
1	CABLE- 22/3-5 (COPPER STRANDING) 3/4/5 CONDUCT. 300V	TPE JACKET	YELLOW

DESCRIPTION
EC NO: WEU2010-0317 2010/02/01
DRWN: LSTEMMLE 2010/02/01
CH'KD: NS ----
APPR: FPACHER 2010/02/03
DESCRIPTION
1
REV

QUALITY SYMBOLS
▼ = 0
Ⓒ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±.01
1 PLACE	±0.3	±---
ANGULAR ±	--- °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: LSTEMMLE DATE: 2010/02/01
CHECKED BY: RE DATE: 2010/02/02
APPROVED BY: FPACHER DATE: 2010/02/03

MICRO-CHANGE CORDSET 3/4/5 P. FE 90 / MA STR 22/3-5 YELLOW TPE CABLE

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE SHEET 2
DOCUMENT NO.: SD-120066-024
SHEET NO.: 1 OF 1
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
3	1200660220	883031K05M002	0.2M +44.5 -0 [0.66' +1.75" -0]
3	1200660221	883031K05M005	0.5M +44.5 -0 [1.64' +1.75" -0]
3	1200660222	883031K05M010	**1.0M +55.6 -0 [3.28' +2.19" -0]**
3	1200660223	883031K05M020	2.0M +88.9 -0 [6.56' +3.50" -0]
3	1200660224	883031K05M040	4.0M +165.1 -0 [13.12' +6.50" -0]
3	1200660225	883031K05M050	5.0M +165.1 -0 [16.40' +6.50" -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
4	1200660374	884031K05M005	0.5M +44.5 -0 [1.64' +1.75" -0]
4	1200660375	884031K05M006	0.6M +44.5 -0 [1.97' +1.75" -0]
4	1200660376	884031K05M010	**1.0M +55.6 -0 [3.28' +2.19" -0]**
4	1200660377	884031K05M015	1.5M +55.6 -0 [4.91' +2.19" -0]
4	1200660378	884031K05M020	2.0M +88.9 -0 [6.56' +3.50" -0]
4	1200660379	884031K05M030	3.0M +88.9 -0 [9.84' +3.50" -0]
4	1200660380	884031K05M040	4.0M +165.1 -0 [13.12' +6.50" -0]
4	1200660381	884031K05M050	5.0M +165.1 -0 [16.40' +6.50" -0]
4	1200660382	884031K05M060	6.0M +165.1 -0 [19.69' +6.50" -0]
4	1200660546	884031K05M100	**10.0M +317.5 -0 [32.81' +12.50' -0]**

DESCRIPTION
EC NO: WEU2010-0317 2010/02/01
DRWN: LSTEMMLE 2010/02/01
CH'KD: NS ----
APPR: FPACHER 2010/02/03
DESCRIPTION

1
REV

QUALITY SYMBOLS
▼ = 0
Ⓒ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±.01
1 PLACE	±0.3	±---
ANGULAR ± --- °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: LSTEMMLE DATE: 2010/02/01
CHECKED BY: RE DATE: 2010/02/02
APPROVED BY: FPACHER DATE: 2010/02/03

MICRO-CHANGE CORDSET
3/4/5 P. FE 90 / MA STR
22/3-5 YELLOW TPE CABLE

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-120066-024
SHEET NO.: 1 OF 1

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION