IE-C5DB4FE0030MCSXXX-E

Assembled IE cables, railway cable, Cat.5, black, M12

General ordering data

Version	System cable, M12 D-code – IP 67 straight pin, Open, Cat.5 / Class D, Cross-linked Premium FRNC, 3 m
Order No.	1309830030
Type	IE-C5DB4FE0030MCSXXX-E
GTIN (EAN)	4050118148091
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2021-12-31
Alternative product	2671890030

Creation date January 22, 2022 12:10:35 PM CET

Weidmüller

IE-C5DB4FE0030MCSXXX-E

Technical data

Dimensions and weights

Length	3 m	Length (inches)	118.11 inch
Net weight	217 g		

Temperatures

Storage temperature	-40 °C...90 °C	Operating temperature	-40 °C...90 °C
Installation temperature	-5 °C...50 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Cable specific standards

Corrosiveness of fumes	to IEC 60754-2	Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4
Fluorine content	According to EN 60684-2 Section 45.2	Hydrogen halide content	According to IEC 60754-1, According to EN-50267-2-1
Impervious to smoke	in accordance with EN 50268-2, According to IEC 61034-2	Poisonous gases	According to BS 6853 Appendix B

Electrical properties

Operating voltage	300 V

Standards

Corrosiveness of fumes	to IEC 60754-2	Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4
Fluorine content	According to EN 60684-2 Section 45.2	Hydrogen halide content	According to IEC 60754-1, According to EN-50267-2-1
Impervious to smoke	in accordance with EN 50268-2, According to IEC 61034-2	Poisonous gases	According to BS 6853 Appendix B

Cable structure

Arrangement of wire cores	Star-quad	Cross-section	4xAWG22/19
Material sheath	Cross-linked Premium FRNC	Number of wires	4
Sheath diameter, max.	7 mm	Sheath diameter, min.	6.4 mm
Sheathing colour	black		

Electrical properties of cable

Category	Cat.5 / Class D	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Operating voltage	300 V		

Creation date January 22, 2022 12:10:35 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

2

IE-C5DB4FE0030MCSXXX-E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Mechanical and material properties of cable

Corrosiveness of fumes	to IEC 60754-2	Halogen	No
Impervious to smoke	in accordance with EN 50268-2, According to IEC 61034-2	Min. bending radius, once only	
			5 x cable diameter
Min. bending radius, repetitive	10 x cable diameter		

Plug, left

Connector left	M12 D-code – IP 67 straight pin

Plug, right

Connector right	Open

plug

Connector left	M12 D-code – IP 67 straight pin	Connector right	
			Open

Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ECLASS 9.0	27-06-03-08
ECLASS 9.1	27-06-03-08	ECLASS 10.0	27-06-03-08
ECLASS 11.0	27-06-03-08		

Approvals

ROHS	Conform

Downloads

Engineering Data	CAD data – STEP
User Documentation	MAN IE GUIDE DE
	MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN
	PI PROFINET CABLING EN

Creation date January 22, 2022 12:10:35 PM CET

IE-C5DB4FE0030MCSXXX-E

Drawings

Wiring

	M12
yellow	1
white	2
orange	3
blue	4

IE-C5DB4FE0030MCSXXX-E

Accessories

Screwty® cable gland tool with torque function

The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

General ordering data

Type	SCREWTY SET -DM	Version	
Order No.	1920000000	Bolting tool	
GTIN (EAN)	4032248436859		
Qty.	1 pc(s).		
Type	SCREWTY-M12-DM	Version	
Order No.	1900001000	Cable gland tool for moulded M12 lines	
GTIN (EAN)	4032248436408		
Qty.	1 pc(s).		

Screwty® cable gland tool

The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

General ordering data

Type	SCREWTY- M12	Version	
Order No.	1900000000	Cable gland tool for moulded M12 lines	
GTIN (EAN)	4032248375868		
Qty.	1 pc(s).		
Type	SCREWTY SET	Version	
Order No.	1910000000	Bolting tool	
GTIN (EAN)	4032248436842		
Qty.	1 pc(s).		

Creation date January 22, 2022 12:10:35 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

5

IE-C5DB4FE0030MCSXXX-E

Accessories

Blank

TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	TM-I 12 MC NE WS	Version	
Order No.	1718411044	TM-I, Insert markers, 12 x 4 mm, white	
GTIN (EAN)	4008190348977		
Qty.	320 pc(s).		

Tools

The CST with blue blade cartridge produces the best stripping results.
The blue double-stage blade cartridge is particularly suited for Ethernet cables. It saves time and also ensures optimal stripping results.

General ordering data

Type	IE-CST	Version	
Order No.	9204350000	Tools, Sheathing strippers	
GTIN (EAN)	4032248653072		
Qty.	1 pc(s).		

Creation date January 22, 2022 12:10:35 PM CET

Weidmüller

IE-C5DB4FE0030MCSXXX-E

Accessories

Tools

Sheathing stripper for PVC cables

General ordering data

Type	AM 12	Version	
Order No.	9030060000	Tools, Sheathing strippers	
GTIN (EAN)	4008190337827		
Qty.	1 pc(s).		

Blank

TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	TM-I 18 MC NE WS	Version	
Order No.	1718431044	TM-I, Insert markers, 18 x 4 mm, white	
GTIN (EAN)	4008190349011		
Qty.	320 pc(s).		

Creation date January 22, 2022 12:10:35 PM CET

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller](#):
  [1309830030](#)