

**Industrial Ethernet
IE-C5DB4FE0050MSAXXX-E**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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www.weidmueller.com



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

General ordering data

Type	IE-C5DB4FE0050MSAXXX-E
Order No.	1309860050
Version	System cable, M12 D-code – IP 67 angled socket, Open, Cat.5 / Class D, Cross-linked Premium FRNC, 5 m
GTIN (EAN)	4050118148077
Qty.	1 pc(s).

Creation date May 3, 2020 12:54:52 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Length	5 m	Length (inches)	0.197 inch
Net weight	311 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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
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Cable structure

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

Electrical properties of cable

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

Mechanical and material properties of cable

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

plug

Connector left	M12 D-code – IP 67 angled socket	Connector right	Open
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Technical data**Classifications**

ETIM 6.0	EC002599	ETIM 7.0	EC002599
eClass 9.0	27-06-03-08	eClass 9.1	27-06-03-08
eClass 10.0	27-06-03-08		

Approvals

ROHS	Conform
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Downloads

Brochure/Catalogue	FL FIELDWIRING EN PI PROFINET CABLING EN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

Data sheet**Industrial Ethernet
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Drawings**Wiring**

	M12
_____ yellow _____	1
_____ white _____	2
_____ orange _____	3
_____ blue _____	4

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Accessories

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, Coaxial data and round cables
GTIN (EAN)	4032248653072	
Qty.	1 pc(s).	

Blank



TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are five 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 SMark laser printer, PrintJet ADVANCED, plotter, MC-Mobilo 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).	

Data sheet

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Accessories

Tool



Tools for stripping the sheathing from uncut power lines and outlet lines, plus screwdrivers for installing Pick-to-Light components.

General ordering data

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

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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).	

Tools

Sheathing stripper for PVC cables



General ordering data

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

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