

**IE-C5DB4RE0100MCSMCS-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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

**General ordering data**

Version	System cable, M12 D-code – IP 67 straight pin, M12 D-code – IP 67 straight pin, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Radox GKW S, 10 m
Order No.	<a href="#">1010850100</a>
Type	IE-C5DB4RE0100MCSMCS-E
GTIN (EAN)	4032248800926
Qty.	1 pc(s).

Creation date January 18, 2022 4:52:22 AM CET

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

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**Technical data****Dimensions and weights**

Length	10 m	Length (inches)	393.701 inch
Net weight	798 g		

**Temperatures**

Storage temperature	-40 °C...90 °C	Operating temperature	-40 °C...90 °C
Installation temperature	-25 °C...90 °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 protection in buses	According to ISO 6722-1 5.22 (UN ECE-R 118.01)
Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4, According to BS 6853, According to EN50288-2-2, According to EN 45545, HL1 - HL3	Flames propagate vertically on bundled cables	According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D
Fluorine content	According to EN 60684-2 Section 45.2	Hydrogen halide content	According to EN-50267-2-1, According to IEC 60754-1
Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2	Multi-wire metallic data and control cable	According to EN50288-2-2
Poisonous gases	According to BS 6853 Appendix B		

**General standards**

Certificate no. (cULus)	E316369	Connector standard	IEC 61076-2-101
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**Standards**

Connector standard	IEC 61076-2-101	Corrosiveness of fumes	to IEC 60754-2
Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4, According to BS 6853, According to EN50288-2-2, According to EN 45545, HL1 - HL3	Flames propagate vertically on bundled cables	According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D
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## Technical data

### Cable structure

Cross-section	2*2*AWG 22/7 - 2*2*0.36 mm <sup>2</sup>	Insulation cross-section	1.95 mm
Material sheath	Radox GWK S	Sheath diameter, max.	7.55 mm
Sheath diameter, min.	6.95 mm	Sheathing colour	black
Shielding	SF/UTP	Strands	7

### Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
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### Mechanical and material properties of cable

Abrasion resistance	very good	Corrosiveness of fumes	to IEC 60754-2
Halogen	halogen-free, according to IEC 60754-2	Impervious to smoke	According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2
Min. bending radius, repetitive	6 * diameter	Resistance to oils	in accordance with EN 50306-3

### Plug, left

Connector left	M12 D-code – IP 67 straight pin
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### Plug, right

Connector right	M12 D-code – IP 67 straight pin
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### plug

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

Approvals



ROHS	Conform
UL File Number Search	E316369

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

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Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>

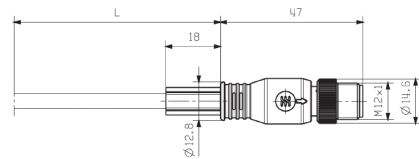
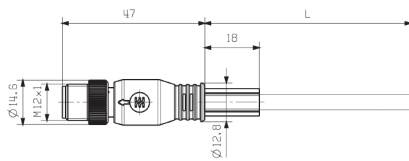
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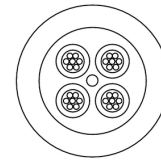
Drawings



Wiring diagram

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

Detailed drawing



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## 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 GE	Version
Order No.	<a href="#">1718411687</a>	TM-I, Insert markers, 12 x 4 mm, yellow
GTIN (EAN)	4008190348984	
Qty.	320 pc(s).	

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### General ordering data

Type	TM-I 18 MC NE GE	Version
Order No.	<a href="#">1718431687</a>	TM-I, Insert markers, 18 x 4 mm, yellow
GTIN (EAN)	4008190349028	
Qty.	320 pc(s).	

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## 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.	<a href="#">1920000000</a>	Bolting tool
GTIN (EAN)	4032248436859	
Qty.	1 pc(s).	
Type	SCREWTY-M12-DM	Version
Order No.	<a href="#">1900001000</a>	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.	<a href="#">1900000000</a>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248375868	
Qty.	1 pc(s).	
Type	SCREWTY SET	Version
Order No.	<a href="#">1910000000</a>	Bolting tool
GTIN (EAN)	4032248436842	
Qty.	1 pc(s).	



# Mouser Electronics

Authorized Distributor

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