

**Industrial Ethernet
IE-C5DB4RE0100MCSXXX-X**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



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

General ordering data

| | |
|------------|--|
| Type | IE-C5DB4RE0100MCSXXX-X |
| Order No. | 1010840100 |
| Version | System cable, M12 D-code – IP 67 straight pin, Open, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568- B), Radox GWK S, 10 m |
| GTIN (EAN) | 4032248800797 |
| Qty. | 1 pc(s). |

Creation date May 1, 2020 4:39:42 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 | 10 m | Length (inches) | 0.394 inch |
| Net weight | 794 g | Insulation cross-section | 1.95 mm |

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 | -25 °C...90 °C | | |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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 |
|-------------------------|---------|--------------------|-----------------|

Cable structure

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

Electrical properties of cable

| | |
|----------|--|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) |
|----------|--|

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Technical data
Mechanical and material properties of cable

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

plug

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

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

Approvals



ROHS Conform

Downloads

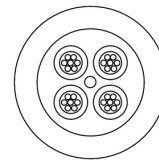
| | |
|--------------------|--|
| Brochure/Catalogue | CAT 9 IETH 18/19 EN CAT 8 SAI 15/16 EN FL FIELDWIRING EN PI PROFINET CABLING EN |
| Engineering Data | WSCAD |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |

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Detailed drawing

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



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Accessories

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 GE | Version |
|------------|----------------------------|---|
| Order No. | 1718411687 | TM-I, Insert markers, 12 x 4 mm, yellow |
| GTIN (EAN) | 4008190348984 | |
| Qty. | 320 pc(s). | |

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). | |

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Accessories

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

Blank



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General ordering data

| | | |
|------------|----------------------------|---|
| Type | TM-I 18 MC NE GE | Version |
| Order No. | 1718431687 | 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

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). | |