

**Industrial Ethernet  
IE-C5DB4HE0015MCAMCA-E**

**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-C5DB4HE0015MCAMCA-E   |
| Order No.  | <a href="#">1310010015</a>   |
| Version    | System cable, M12 D-code – IP 67 angled pin,<br>M12 D-code – IP 67 angled pin, Cat.5 / Class D,<br>HFFR Compound EM 104, 1.5 m |
| GTIN (EAN) | 4050118148763  |
| Qty.       | 1 pc(s).   |

Creation date May 3, 2020 1:06:28 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     | 1.5 m | Length (inches) | 0.059 inch |
| Net weight | 123 g |                 |            |

### Temperatures

|                             |                |                             |                |
|-----------------------------|----------------|-----------------------------|----------------|
| Operating temperature, max. | 85 °C          | Operating temperature, min. | -40 °C         |
| Operating temperature       | -40 °C...85 °C | Installation temperature    | -20 °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 55 10-2 fire safety levels 1,2,3,4 |
| Impervious to smoke    | in accordance with EN 50268-2, According to IEC 61034-2 |                                  |   |

### Electrical properties

|                   |       |
|-------------------|-------|
| Operating voltage | 300 V |
|-------------------|-------|

### Cable structure

|                       |                      |                           |           |
|-----------------------|----------------------|---------------------------|-----------|
| Cross-section         | 2x2xAWG22/19         | Arrangement of wire cores | Star-quad |
| Material sheath       | HFFR Compound EM 104 | Sheath diameter, min.     | 5.9 mm    |
| Sheath diameter, max. | 6.7 mm               | Sheathing colour          | black     |

### Electrical properties of cable

|                          |  |                   |       |
|--------------------------|--|-------------------|-------|
| Category                 | Cat.5 / Class D                              | Operating voltage | 300 V |
| Characteristic impedance | 100 ± 15 Ω at 4–100 MHz, 100 ± 5 Ω at 100MHz |                   |       |

### 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 pin | Connector right | M12 D-code – IP 67 angled pin |
|----------------|-------------------------------|-----------------|-------------------------------|

### 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 |            |             |

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**Data sheet****Industrial Ethernet  
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**Technical data****Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

|                    |  |
|--------------------|--|
| Brochure/Catalogue | <a href="#">FL FIELDWIRING EN</a>      |
|                    | <a href="#">PI PROFINET CABLING EN</a> |
| User Documentation | <a href="#">MAN IE GUIDE DE</a>        |
|                    | <a href="#">MAN IE GUIDE EN</a>        |

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**Drawings****Wiring**

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|     |        |     |
|-----|--------|-----|
| M12 |        | M12 |
| 1   | yellow | 1   |
| 2   | white  | 2   |
| 3   | orange | 3   |
| 4   | 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 WS           | Version                                |
|------------|----------------------------|--|
| Order No.  | <a href="#">1718411044</a> | TM-I, Insert markers, 12 x 4 mm, white |
| GTIN (EAN) | 4008190348977              |  |
| 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.  | <a href="#">1920000000</a> | Tools, Bolting tool |
| GTIN (EAN) | 4032248436859              |                     |
| Qty.       | 1 pc(s).                   |                     |

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**Accessories**

|            |                            |   |
|------------|----------------------------|---|
| Type       | SCREWTY-M12-DM             | Version                                       |
| Order No.  | <a href="#">1900001000</a> | 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.  | <a href="#">1718431044</a> | TM-I, Insert markers, 18 x 4 mm, white |
| GTIN (EAN) | 4008190349011              |  |
| 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.  | <a href="#">1900000000</a> | Tools, Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248375868              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | SCREWTY SET                | Version                                       |
| Order No.  | <a href="#">1910000000</a> | Tools, Bolting tool                           |
| GTIN (EAN) | 4032248436842              |   |
| Qty.       | 1 pc(s).                   |   |