

**IE-C5DB4WE0065MCSXXX-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergsstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Assembled IE cables, railway cable RW (reduced wire),  
Cat. 5, PUR, black, M12

**General ordering data**

|            |  |
|------------|--|
| Version    | System cable, M12 D-code – IP 67 straight pin,<br>Open, Cat. 5e, Radox EM 104, 6.5 m |
| Order No.  | <a href="#">1269740065</a>   |
| Type       | IE-C5DB4WE0065MCSXXX-E   |
| GTIN (EAN) | 4099987968645  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

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

## Dimensions and weights

|            |       |                 |               |
|------------|-------|-----------------|---------------|
| Length     | 6.5 m | Length (inches) | 255.9055 inch |
| Net weight | 443 g |                 |               |

## Temperatures

|                     |                       |                |
|---------------------|-----------------------|----------------|
| Storage temperature | Operating temperature | -25 °C...85 °C |
|---------------------|-----------------------|----------------|

## Cable specific standards

|   |  |  |   |
|---|--|--|---|
| Fluorine content                              | According to EN 60684-2<br>Section 45.2  | Flames propagate vertically on bundled<br>cables | in accordance with EN<br>50266, EN 50305, EN<br>60332-3-25, According<br>to NF C32-070, 2.1,<br>According to UL1685, 12<br>(FT4 exp.)   |
| Multi-wire metallic data and control<br>cable | According to<br>EN50288-2-2  | Hydrogen halide content                          | According to<br>EN-50267-2-1  |
| Corrosiveness of fumes                        | EN 50267-2-2   | Fire safety for railway vehicles                 | According to BS 6853,<br>GM/RT 2130, Ia,Ib, II,<br>According to EN 45545,<br>HL1 - HL3, According to<br>DIN 5510 1-4, According<br>to NF F16-101, A1, A2,<br>B, According to UNI CEI<br>11170, LR1-LR4, NFPA<br>130 |
| Impervious to smoke                           | According to BS 6853<br>Appendix D, According to<br>IEC 61034-2, According to<br>UL1685, 12 (FT4 exp.) | Poisonous gases                                  | According to BS 6853<br>Appendix B  |

## General standards

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

## Cable structure

|  |                                   |                          |              |
|--|-----------------------------------|--------------------------|--------------|
| Wire connection cross section AWG,<br>max. | AWG 22                            | Sheathing colour         | black        |
| Cross-section                              | 4*AWG 22/7 - 0.32 mm <sup>2</sup> | Shielding                | SF/UTP       |
| Number of wires                            | 4                                 | Insulation cross-section | 1.55 mm      |
| Insulation                                 | PE                                | Sheath diameter, max.    | 7 mm         |
| Sheath diameter, min.                      | 6.2 mm                            | Material sheath          | Radox EM 104 |
| Colour coding                              | yellow, white, orange, blue       | Wire material            | Copper alloy |

## Electrical properties of cable

|          |         |
|----------|---------|
| Category | Cat. 5e |
|----------|---------|

## Mechanical and material properties of cable

|                                 |  |                                |                     |
|---------------------------------|--|--------------------------------|---------------------|
| Resistance to oils              | in accordance with EN<br>50264-1 or EN 50306-1 | Halogen                        | No                  |
| Min. bending radius, repetitive | 6 *diameter                                    | Min. bending radius, once only | 10 x cable diameter |

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**Technical data**

|                               |   |                        |              |
|-------------------------------|---|------------------------|--------------|
| Resistance to spread of flame | in accordance with IEC 60332-1-2, According to NF C32-070, 2.1, NFPA 130                      | Corrosiveness of fumes | EN 50267-2-2 |
| Impervious to smoke           | According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.) |                        |              |

**Plug, left**

|           |   |
|-----------|---|
| Plug left | M12, D-coded, IP67, male contact, straight, plug, Plastic, shielded |
|-----------|---|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | Free conductor end |
|------------|--------------------|

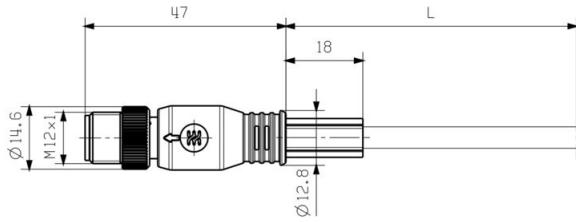
**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

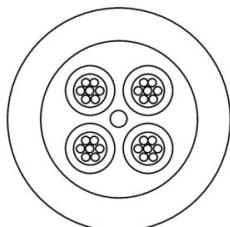
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**Drawings****Wiring diagram**

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

**Detailed drawing**

## 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 SET                | Version   |
| Order No.  | <a href="#">1910000000</a> | Cable gland tool for M8, M12 lines and connectors |
| GTIN (EAN) | 4032248436842              |   |
| Qty.       | 1 ST                       |   |

### 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> | Cable gland tool for M8, M12 lines and connectors |
| GTIN (EAN) | 4032248436859              |   |
| Qty.       | 1 ST                       |   |

## 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> | Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248375868              |  |
| Qty.       | 1 ST                       |  |

### 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-M12-DM             | Version                                |
| Order No.  | <a href="#">1900001000</a> | Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248436408              |  |
| Qty.       | 1 ST                       |  |

## Tools



Sheathing stripper for PVC cables

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## Accessories

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | AM 12                      | Version                    |
| Order No.  | <a href="#">9030060000</a> | Tools, Sheathing strippers |
| GTIN (EAN) | 4008190337827              |                            |
| Qty.       | 1 ST                       |                            |
| Type       | IE-CST                     | Version                    |
| Order No.  | <a href="#">9204350000</a> | Tools, Sheathing strippers |
| GTIN (EAN) | 4032248653072              |                            |
| Qty.       | 1 ST                       |                            |

## TM HF 12 mm



The TM sleeves contain no halogens and virtually no pollutants. The sleeves are equipped with the TM-I 12 or TM-I 18 tags. They cover a wide range of applications for cables and lines. This system has particularly proved its worth in traffic engineering. The slim design guarantees firm seating on the conductor.

- Halogen-free
- The slim design guarantees firm seating on the conductor
- TMX 18 for mounting with cable-ties (width 3.6 mm)

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | TM 4/12 HF/HB              | Version   |
| Order No.  | <a href="#">1719840000</a> | TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent, |
| GTIN (EAN) | 4008190353193              | Conductor O.D.: 6 - 10 mm                                   |
| Qty.       | 500 ST                     |   |

## TM HF 18 mm



The TM sleeves contain no halogens and virtually no pollutants. The sleeves are equipped with the TM-I 12 or TM-I 18 tags. They cover a wide range of applications for cables and lines. This system has particularly proved its worth in traffic engineering. The slim design guarantees firm seating on the conductor.

- Halogen-free
- The slim design guarantees firm seating on the conductor
- TMX 18 for mounting with cable-ties (width 3.6 mm)

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | TM 4/18 HF/HB              | Version   |
| Order No.  | <a href="#">1719850000</a> | TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent, |
| GTIN (EAN) | 4008190353209              | Conductor O.D.: 6 - 10 mm                                   |
| Qty.       | 500 ST                     |   |