

## IE-C5DB4WE0065MCSA70-E

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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



Assembled IE lines, railway cable RW (reduced wire), cat. 5, PUR, black, RJ45 plug, no tools required, IP20 and M12 straight pin

### General ordering data

|            |   |
|------------|---|
| Version    | System cable, M12 D-code – IP 67 straight pin, RJ45 IP 20, Cat. 5e, Radox EM 104, 6.5 m |
| Order No.  | <a href="#">1220310065</a>  |
| Type       | IE-C5DB4WE0065MCSA70-E  |
| GTIN (EAN) | 4050118350869   |
| 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 | 450 g |                 |               |

## Temperatures

|                          |                |                       |  |
|--------------------------|----------------|-----------------------|--|
| Storage temperature      |                | Operating temperature |  |
| Installation temperature | -50 °C...90 °C |                       |  |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 67cf1078-beca-4687-860b-dc475a6ec24a |

## Cable specific standards

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

## General standards

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

## Cable structure

|   |                                   |                          |              |
|---|-----------------------------------|--------------------------|--------------|
| Wire connection cross section AWG, 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 |

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## Electrical properties of cable

Category

Cat. 5e

## Mechanical and material properties of cable

Resistance to oils

in accordance with EN 50264-1 or EN 50306-1

Halogen

No

Min. bending radius, repetitive

6 \*diameter

Min. bending radius, once only

10 x cable diameter

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, Number of poles: 4, IP67, male contact, straight, plug, Plastic, shielded

## Plug, right

Plug right

RJ45, IP20, male contact, straight, plug, Zinc diecast, shielded

## Classifications

ETIM 8.0

EC002599

ETIM 9.0

EC002599

ETIM 10.0

EC002599

ECLASS 14.0

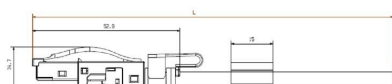
27-06-03-08

ECLASS 15.0

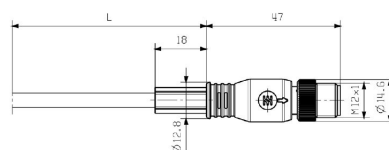
27-06-03-08

## Drawings

### Dimensioned drawing



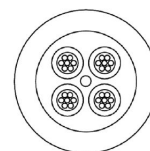
### Dimensional drawing



### Wiring diagram

| RJ45 |        | M12 |
|------|--------|-----|
| 1    | yellow | 1   |
| 3    | white  | 2   |
| 2    | orange | 3   |
| 6    | blue   | 4   |

### Detailed drawing



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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 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                       |   |

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## 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                       |  |

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## 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                       |  |

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## Accessories

## 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



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- 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                     |   |