Data sheet

# IE-C5DB4WE0140MCSXXX-E

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

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, Open, Cat. 5e, Radox EM 104, 14 m |
| Order No. | 1269740140 |
| Type | IE-C5DB4WE0140MCSXXX-E |
| GTIN (EAN) | 4099987968676 |
| Qty. | 1 items |

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## Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 14 m | Length (inches) | 551.1811 inch |
| Net weight | 920 g | | |

### Temperatures

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

### 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 mm² | 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 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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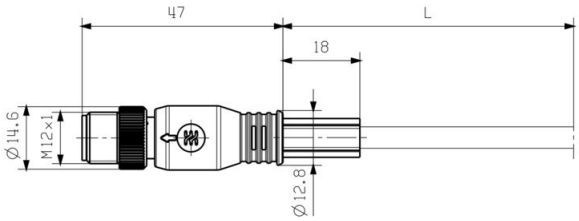
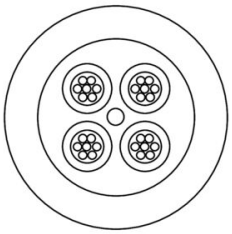
## Drawings




### Wiring diagram

### 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. | 1910000000 | 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. | 1920000000 | 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. | 1900000000 | 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. | 1900001000 | 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. | 9030060000 | Tools, Sheathing strippers |
| GTIN (EAN) | 4008190337827 | |
| Qty. | 1 ST | |
| Type | IE-CST | Version |
| Order No. | 9204350000 | 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. | 1719840000 | 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. | 1719850000 | TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent, |
| GTIN (EAN) | 4008190353209 | Conductor O.D.: 6 - 10 mm |
| Qty. | 500 ST | |