

**Industrial Ethernet
IE-C5DB4WE0100MCSXXX-E**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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Assembled IE cables, railway cable RW (reduced wire),
Cat. 5, PUR, black, M12

General ordering data

| | |
|------------|---|
| Type | IE-C5DB4WE0100MCSXXX-E |
| Order No. | 1269740100 |
| Version | System cable, M12 D-code – IP 67 straight pin, Open, Cat.5 (ISO/IEC 11801), Radox GWK S, 10 m |
| GTIN (EAN) | 4050118060713 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|--------------------------|------------|
| Length | 10 m | Length (inches) | 0.394 inch |
| Net weight | 646 g | Insulation cross-section | 1.58 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 | | | |

Environmental Product Compliance

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

Standards

| | | | |
|---|--|--------------------------|--|
| 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 | Fire protection in buses | according to ISO 6722-1 5.22 (UN ECE-R 118.01) |
| Flames propagate vertically on bundled cables | According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D | Impervious to smoke | According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2 |
| Corrosiveness of fumes | to IEC 60754-2 | Hydrogen halide content | According to EN-50267-2-1, According to IEC 60754-1 |
| Poisonous gases | According to BS 6853 Appendix B | Fluorine content | According to EN 60684-2 Section 45.2 |
| Multi-wire metallic data and control cable | According to EN50288-2-2 | 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 | 1.58 mm | Shielding | SF/UTP |
| Material sheath | Radox GWK S | Sheath diameter, min. | 6.2 mm |
| Sheath diameter, max. | 7 mm | Sheathing colour | black |

Electrical properties of cable

| | |
|----------|-----------------------|
| Category | Cat.5 (ISO/IEC 11801) |
|----------|-----------------------|

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 |

Data sheet

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Technical data

plug

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

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 6.0 | EC002599 | eClass 6.2 | 27-06-91-90 |
| eClass 7.1 | 27-06-91-90 | eClass 8.1 | 27-06-91-90 |
| eClass 9.0 | 27-06-03-08 | eClass 9.1 | 27-06-03-08 |

Approvals

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

Downloads

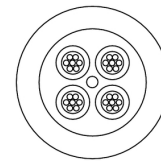
| | |
|--------------------|--|
| Brochure/Catalogue | CAT 9 IETH 15/16 EN FL FIELDWIRING EN PI PROFINET CABLING EN |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |

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Drawings**Detailed drawing**

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



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Accessories
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 | Order No. | Version | GTIN (EAN) | Qty. |
|-------------------|----------------------------|---|-------------------|--------|
| TM 4/18 HF/ HB | 1719850000 | TM, Socket x 11.4 mm, Polyethylene LD, Colour code: Transparent, Conductor O.D.: 6 - 10 mm | 4008190353209 500 | pc(s). |

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 | Order No. | Version | GTIN (EAN) | Qty. |
|-------------------|----------------------------|---|-------------------|--------|
| TM 4/12 HF/ HB | 1719840000 | TM, Socket x 11.4 mm, Polyethylene LD, Colour code: Transparent, Conductor O.D.: 6 - 10 mm | 4008190353193 500 | pc(s). |

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Accessories

Tools



The CST with blue blade cartridge produces the best stripping results. The blue double-stage blade cartridge is particularly suited for Ethernet cables. It saves time and also ensures optimal stripping results.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|--------|----------------------------|---|---------------|----------|
| IE-CST | 9204350000 | Accessories, Sheathing strippers, Coaxial & round data cables | 4032248653072 | 1 pc(s). |

Tools



- For PVC-insulated round cable
- For ribbon cable
- For UTP and STP data cables

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|-------|----------------------------|---|---------------|----------|
| AM 12 | 9030060000 | Accessories, Sheathing strippers, UTP and STP data cables | 4008190337827 | 1 pc(s). |