

IE-C5DB4WE0050A70A70-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE lines, railway cable RW (reduced wire), cat.
5, PUR, black, plug on both sides RJ45 IP20 without tools

General ordering data

| | |
|------------|---|
| Version | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801), Radox GKW S, 5 m |
| Order No. | 1421710050 |
| Type | IE-C5DB4WE0050A70A70-E |
| GTIN (EAN) | 4050118226294 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|-------------|
| Length | 5 m | Length (inches) | 196.85 inch |
| Net weight | 409 g | | |

Temperatures

| | | | |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...90 °C | Operating temperature | -40 °C...90 °C |
|---------------------|----------------|-----------------------|----------------|

Cable specific standards

| | | | |
|----------------------------------|--|---|--|
| Corrosiveness of fumes | to IEC 60754-2 | Fire protection in buses | According to ISO 6722-1 5.22 (UN ECE-R 118.01) |
| 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 | Flames propagate vertically on bundled cables | According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D |
| Fluorine content | According to EN 60684-2 Section 45.2 | Hydrogen halide content | According to EN-50267-2-1, According to IEC 60754-1 |
| Impervious to smoke | According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2 | Multi-wire metallic data and control cable | According to EN50288-2-2 |
| Poisonous gases | According to BS 6853 Appendix B | | |

General standards

| | |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

Standards

| | | | |
|----------------------------------|--|---|--|
| Connector standard | IEC 60603-7-51 | Corrosiveness of fumes | to IEC 60754-2 |
| 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 | Flames propagate vertically on bundled cables | According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D |
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| Poisonous gases | According to BS 6853 Appendix B | | |

Cable structure

| | | | |
|-----------------------|---|--------------------------|---------------|
| Cross-section | 2*2*AWG 22/7 - 2*2*0.36 mm ² | Insulation cross-section | 1.58 mm |
| Material sheath | Radox GKW S | Sheath diameter, max. | 7 mm |
| Sheath diameter, min. | 6.2 mm | Sheathing colour | black, SF/UTP |
| Shielding | SF/UTP | Strands | 7 |

Creation date May 2, 2024 12:53:44 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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Electrical properties of cable

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

Mechanical and material properties of cable

| | | | |
|---------------------------------|--|------------------------|--|
| Abrasion resistance | very good | Corrosiveness of fumes | to IEC 60754-2 |
| Halogen | halogen-free, according to IEC 60754-2 | Impervious to smoke | According to BS 6853 Appendix D, in accordance with EN 50268-2, According to IEC 61034-2 |
| Min. bending radius, repetitive | 6 * diameter | Resistance to oils | in accordance with EN 50306-3 |

Plug, left

| | |
|-----------|--|
| Plug left | RJ45, IP20, male contact, straight, plug, Zinc diecast, shielded |
|-----------|--|

Plug, right

| | |
|------------|--|
| Plug right | RJ45, IP20, male contact, straight, plug, Zinc diecast, shielded |
|------------|--|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ECLASS 9.0 | 27-06-03-08 | ECLASS 9.1 | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |
| ECLASS 12.0 | 27-06-03-08 | ECLASS 13.0 | 27-06-03-08 |

Approvals

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

Downloads

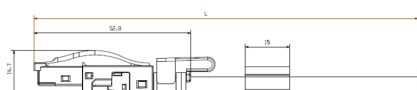
| | |
|-----------------------------|---|
| Engineering Data | CAD data – STEP |
| Product Change Notification | PCN-PB47-20230322-A-EN PCN-PB47-20230322-A-DE |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

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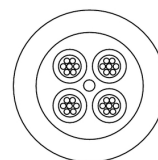
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www.weidmueller.com**Drawings****Dimensioned drawing****Wiring diagram**

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

Detailed drawing

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Accessories

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 | Packaging |
|------------|----------------------------|---|---------------|
| Order No. | 1900001000 | Cable gland tool for moulded M12 lines | Cardboard box |
| GTIN (EAN) | 4032248436408 | | |
| Qty. | 1 pc(s). | | |
| Type | SCREWTY SET -DM | Version | Packaging |
| Order No. | 1920000000 | Cable gland tool for M8, M12 lines and connectors | Cardboard box |
| GTIN (EAN) | 4032248436859 | | |
| Qty. | 1 pc(s). | | |

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 pc(s). | |

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General ordering data

| Type | SCREWTY- M12 | Version | Packaging |
|------------|----------------------------|---|---------------|
| Order No. | 1900000000 | Cable gland tool for moulded M12 lines | Cardboard box |
| GTIN (EAN) | 4032248375868 | | |
| Qty. | 1 pc(s). | | |
| Type | SCREWTY SET | Version | Packaging |
| Order No. | 1910000000 | Cable gland tool for M8, M12 lines and connectors | Cardboard box |
| GTIN (EAN) | 4032248436842 | | |
| Qty. | 1 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 | 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 pc(s). | |