

**IE-C5DB4WE0010A70A70-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, 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, 1 m |
| Order No.  | <a href="#">1421710010</a>  |
| Type       | IE-C5DB4WE0010A70A70-E  |
| GTIN (EAN) | 4050118226218   |
| Qty.       | 1 items   |

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## Technical data

## Approvals

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

## Dimensions and weights

|            |         |                 |              |
|------------|---------|-----------------|--------------|
| Length     | 1 m     | Length (inches) | 39.3701 inch |
| Net weight | 80.96 g |                 |              |

## Temperatures

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

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Cable specific standards

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

## General standards

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

## Cable structure

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

## Electrical properties of cable

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

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## Mechanical and material properties of cable

|                                 |                               |                     |  |
|---------------------------------|-------------------------------|---------------------|--|
| Resistance to oils              | in accordance with EN 50306-3 | Halogen             | halogen-free, according to IEC 60754-2   |
| Min. bending radius, repetitive | 6 * diameter                  | Abrasion resistance | very good  |
| 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 |

## 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    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

**Drawings**

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**Dimensioned drawing**

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**Wiring diagram**

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**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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## Accessories

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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                       |  |

## Screwty® cable gland tool with torque function

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