

IE-C5DB4BB0200MCSXXX-X**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables, railway cable, Cat.5, blue, M12

General ordering data

| | |
|------------|---|
| Version | System cable, M12 D-code – IP 67 straight pin, Open, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Polyolefine, 20 m |
| Order No. | 2671890200 |
| Type | IE-C5DB4BB0200MCSXXX-X |
| GTIN (EAN) | 4064675043966 |
| Qty. | 1 pc(s). |

Creation date April 28, 2024 11:19:08 AM CEST

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

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Technical data**Dimensions and weights**

| | | | |
|------------|-------|-----------------|--------------|
| Length | 20 m | Length (inches) | 787.402 inch |
| Net weight | 900 g | | |

Temperatures

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

Cable specific standards

| | | | |
|---|---------------|----------------------------------|---|
| Corrosiveness of fumes | EN 50267-2-2 | Fire safety for railway vehicles | NFPA 130, DIN EN 45545-2 |
| Flames propagate vertically on bundled cables | EN 60332-3-25 | Hydrogen halide content | According to IEC 60754-1, According to EN-50267-2-1 |
| Impervious to smoke | EN 61034-2 | Poisonous gases | EN 50305 |

Electrical properties

| | |
|---------------|-------|
| Rated voltage | 125 V |
|---------------|-------|

Standards

| | | | |
|---|---------------|----------------------------------|---|
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Cable structure

| | | | |
|--------------------------------|-----------------------------------|---|---------------|
| Colour coding | blue, yellow, white, orange | Copper diameter | 0.254 mm |
| Cross-section | 4*AWG 22/7 - 0.32 mm ² | Insulation | PE |
| Material sheath | Polyolefine | Number of wires | 4 |
| Sheath diameter, max. | 6.8 mm | Sheath diameter, min. | 6.4 mm |
| Sheathing colour | blue, SF/UTP | Sheathing material thickness | 1 mm |
| Shielding | SF/UTP | Wire connection cross section AWG, max. | AWG 22 |
| Wire core insulation thickness | 1.4 mm | Wire material | tinned copper |
| Wire pair shielding | Plastic foil | | |

Electrical properties of cable

| | | | |
|-----------------------------------|---|-------------------------------------|-------|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Coupling attenuation up to 1000 MHz | 90 dB |
| Coupling resistance at 10 MHz / m | 8 mΩ | Shield attenuation up to 1000 MHz | 60 dB |
| Test voltage: wire-wire-shield | 1000 V _{eff} , 50 Hz, 1 min | | |

Mechanical and material properties of cable

| | | | |
|---------------------------------|--------------|--------------------------------|--|
| Corrosiveness of fumes | EN 50267-2-2 | Halogen | halogen-free, according to IEC 60754-2 |
| Impervious to smoke | EN 61034-2 | Min. bending radius, once only | 5 x cable diameter |
| Min. bending radius, repetitive | 6 *diameter | Resistance to oils | in accordance with IEC 60811:404 |

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| | |
|-----------|---|
| Plug left | M12, D-coded, IP67, male contact, straight, plug, Plastic, shielded |
|-----------|---|

Plug, right

| | |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

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 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 67cf1078-beca-4687-860b-dc475a6ec24a |

Approvals

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

Downloads

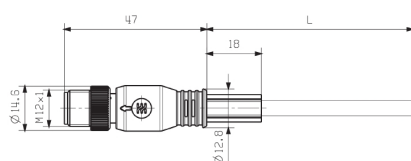
| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |

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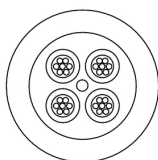
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www.weidmueller.com**Drawings****Dimensioned drawing****Wiring diagram**

| | M12 |
|--------|-----|
| yellow | 1 |
| white | 2 |
| orange | 3 |
| 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 | Packaging |
|------------|----------------------------|---|---------------|
| Order No. | 1910000000 | Cable gland tool for M8, M12 lines and connectors | Cardboard box |
| GTIN (EAN) | 4032248436842 | | |
| Qty. | 1 pc(s). | | |
| Type | SCREWTY- M12 | Version | Packaging |
| Order No. | 1900000000 | Cable gland tool for moulded M12 lines | Cardboard box |
| GTIN (EAN) | 4032248375868 | | |
| Qty. | 1 pc(s). | | |

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). | | |