

IE-C5DB4BB0150MSSXXX-X

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

www.weidmueller.com

Product image



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

General ordering data

| | |
|------------|--|
| Version | System cable, M12 D-code – IP 67 straight socket, Open, Cat. 5e, Polyolefine, 15 m |
| Order No. | 3028760150 |
| Type | IE-C5DB4BB0150MSSXXX-X |
| GTIN (EAN) | 4099987135290 |
| Qty. | 1 items |

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|---------------|
| Length | 15 m | Length (inches) | 590.5512 inch |
| Net weight | 2000 g | | |

Temperatures

| | |
|---------------------|-----------------------|
| Storage temperature | Operating temperature |
|---------------------|-----------------------|

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 67cf1078-beca-4687-860b-dc475a6ec24a |

Cable specific standards

| | | | |
|---|---|----------------------------------|---|
| Flames propagate vertically on bundled cables | EN 60332-3-25, According to UL1685, 12 (FT4 exp.) | Hydrogen halide content | According to EN-50267-2-1 |
| Corrosiveness of fumes | EN 50267-2-2 | Fire safety for railway vehicles | According to EN 45545, HL1 - HL3, According to NFPA 130 |
| Impervious to smoke | According to IEC 61034-2 | Poisonous gases | EN 50305 |

Electrical properties

| | | | |
|-----------------------|-----------|-----------------|-------|
| Insulation resistance | ≥ 5000 MΩ | Nominal voltage | 125 V |
|-----------------------|-----------|-----------------|-------|

General standards

| | |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

Cable structure

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

Electrical properties of cable

| | | | |
|-------------------------------------|-----------|-----------------------------------|-------------------------|
| Insulation resistance | ≥ 5000 MΩ | Category | Cat. 5e |
| Coupling attenuation up to 1000 MHz | 90 dB | Coupling resistance at 10 MHz / m | 8.00 mΩ |
| Shield attenuation up to 1000 MHz | 60.00 dB | Test voltage: wire-wire-shield | 1000 Veff, 50 Hz, 1 min |

Mechanical and material properties of cable

| | | | |
|---------------------------------|-------------------------------------|--------------------------------|--------------------|
| Resistance to oils | in accordance with IEC 60811:404 | Halogen | No |
| Min. bending radius, repetitive | 6 *diameter | Min. bending radius, once only | 5 x cable diameter |

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Technical data

| | | | |
|-------------------------------|----------------------------------|------------------------|--------------|
| Resistance to spread of flame | in accordance with IEC 60332-1-2 | Corrosiveness of fumes | EN 50267-2-2 |
| Impervious to smoke | According to IEC 61034-2 | | |

Plug, left

| | |
|-----------|---|
| Plug left | M12, D-coded, Number of poles: 4, IP67, female 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

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 | |
| 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



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 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 | | |