

IE-C6GB8RB0050XCSXCS-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables, railway cable, Cat.7, blue, M12

General ordering data

| | |
|------------|---|
| Version | System cable, M12 X-type IP 67 straight male, M12 X-type IP 67 straight male, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), Radox EM 104, 5 m |
| Order No. | 2464200050 |
| Type | IE-C6GB8RB0050XCSXCS-E |
| GTIN (EAN) | 4050118478662 |
| Qty. | 1 pc(s). |

Creation date June 6, 2024 6:11:41 PM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|-------------|
| Length | 5 m | Length (inches) | 196.85 inch |
| Net weight | 442 g | | |

Temperatures

| | |
|-----------------------|----------------|
| Operating temperature | -50 °C...70 °C |
|-----------------------|----------------|

Cable specific standards

| | | |
|---|---|--|
| Corrosiveness of fumes | Fire safety for railway vehicles | According to EN 45545, HL1 - HL3, According to DIN 5510 1-4, According to UNI CEI 11170, LR1-LR4, According to NFPA 130, According to BS 6853, GM/RT 2130, Ia,Ib, II, According to NF F16-101, A1, A2, B |
| Flames propagate vertically on bundled cables | to IEC 60754-2 in accordance with IEC 60332-1-2, EN 50305, According to IEC 60332-3-25 D, According to BS 6853 Appendix D, According to NF C32-070, 2.1, According to NF C32-070, 2.2, According to UL1685, 12 (FT4 exp.), in accordance with EN 50266 | Fluorine content According to EN 60684-2 Section 45.2 |
| Hydrogen halide content | According to EN-50267-2-1 | Impervious to smoke According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.) |
| Poisonous gases | According to BS 6853 Appendix B | |

General standards

| | |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-109 |
|--------------------|-----------------|

Standards

| | | | |
|----------------------------------|--|---|---|
| Connector standard | IEC 61076-2-109 | Corrosiveness of fumes | to IEC 60754-2 |
| Fire safety for railway vehicles | According to EN 45545, HL1 - HL3, According to DIN 5510 1-4, According to UNI CEI 11170, LR1-LR4, According to NFPA 130, According to BS 6853, GM/RT 2130, Ia,Ib, II, According to NF F16-101, A1, A2, B | Flames propagate vertically on bundled cables | in accordance with IEC 60332-1-2, EN 50305, According to IEC 60332-3-25 D, According to BS 6853 Appendix D, According to NF C32-070, 2.1, According to NF C32-070, 2.2, According to UL1685, 12 (FT4 exp.), in accordance with EN 50266 |
| Fluorine content | According to EN 60684-2 Section 45.2 | Hydrogen halide content | According to EN-50267-2-1 |
| Impervious to smoke | According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.) | Poisonous gases | According to BS 6853 Appendix B |

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Technical data**Cable structure**

| | | | |
|-----------------------|---------------------------------------|--------------------------|-------------|
| Cross-section | 4*2*AWG24/7 - 4*2*0.2 mm ² | Insulation cross-section | 1.35 mm |
| Material sheath | Radox EM 104 | Sheath diameter, max. | 8.6 mm |
| Sheath diameter, min. | 7.6 mm | Sheathing colour | blue, S/FTP |
| Shielding | S/FTP | Strands | 7 |

Electrical properties of cable

| | | | |
|----------|--|-------------------|-----------|
| Category | Cat.6 _A / Class E _A (ISO/IEC 11801 2010) | Transmission rate | 10 Gbit/s |
|----------|--|-------------------|-----------|

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, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.) |
| Min. bending radius, repetitive | 4 x cable diameter | Resistance to oils | Yes |
| Resistance to spread of flame | einfügen EN60332 | | |

Plug, left

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

Plug, right

| | |
|------------|---|
| Plug right | M12, X-coded, IP67, male contact, straight, plug, Plastic, 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 |

Environmental Product Compliance

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

Approvals

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

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Technical data

Downloads

| | |
|--------------------|---|
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN |

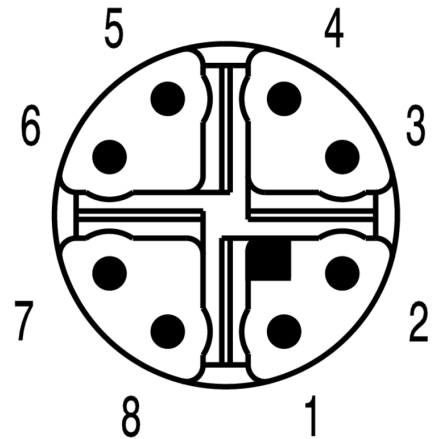
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Drawings**Wiring**

| | | | | |
|-----|---|---------------|---|-----|
| M12 | 1 | White, Orange | 1 | M12 |
| | 2 | Orange | 2 | |
| | 3 | White, Green | 3 | |
| | 4 | Green | 4 | |
| | 5 | White, Brown | 5 | |
| | 6 | Brown | 6 | |
| | 7 | White, Blue | 7 | |
| | 8 | Blue | 8 | |

Pinning

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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 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). | | |
| 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). | | |