

IE-C5DB4BB0100MCSMSS-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 pin, M12 D-code – IP 67 straight socket, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Polyolefine, 10 m |
| Order No. | 2672350100 |
| Type | IE-C5DB4BB0100MCSMSS-X |
| GTIN (EAN) | 4064675261858 |
| Qty. | 1 items |

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Technical data

Approvals

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

Dimensions and weights

| | | | |
|------------|-------|-----------------|---------------|
| Length | 10 m | Length (inches) | 393.7008 inch |
| Net weight | 400 g | | |

Temperatures

| | |
|--------------------------|-----------------------|
| Storage temperature | Operating temperature |
| Installation 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 | Multi-wire metallic data and control cable | IEC 61156-6 |
| Hydrogen halide content | According to EN-50267-2-1 | Corrosiveness of fumes | EN 50267-2-2 |
| Fire safety for railway vehicles | NFPA 130, DIN EN 45545-2 | Impervious to smoke | EN 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 | Cable layout | Hybrid cable, for permanent installation |
| Copper diameter | 0.75 mm | Wire core insulation thickness | 1.4 mm |
| Colour coding | blue, yellow, white, orange | Wire material | tinned copper |
| Sheathing material thickness | 1 mm | | |

Electrical properties of cable

| | | | |
|-------------------------------------|-----------|-----------------------------------|---|
| Insulation resistance | ≥ 5000 MΩ | 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 | 8.00 mΩ |
| Shield attenuation up to 1000 MHz | 60.00 dB | Test voltage: wire-wire-shield | 1000 Veff, 50 Hz, 1 min |

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Mechanical and material properties of cable

| | | | |
|--------------------------------|--|---------------------------------|---|
| Resistance to oils | in accordance with IEC 60811:404 | Colour | blue |
| Halogen | No, halogen-free, according to IEC 60754-2 | Min. bending radius, repetitive | 6 *diameter |
| Min. bending radius, once only | 5 x cable diameter | Resistance to spread of flame | in accordance with IEC 60332-1-2, EN 60332-3-25 |
| Corrosiveness of fumes | EN 50267-2-2 | Impervious to smoke | EN 61034-2 |

Plug, left

| | |
|-----------|---|
| Plug left | M12, D-coded, Number of poles: 4, IP67, male contact, straight, plug, Plastic, shielded |
|-----------|---|

Plug, right

| | |
|------------|---|
| Plug right | M12, D-coded, Number of poles: 4, IP67, female contact, straight, plug, Plastic, shielded |
|------------|---|

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



Dimensioned drawing



Wiring diagram

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

Detailed drawing

