

**IE-C5DB4RE0100MCSMCS-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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

**General ordering data**

|            |   |
|------------|---|
| Version    | System cable, M12 D-code – IP 67 straight pin,<br>M12 D-code – IP 67 straight pin, Cat.5 (ISO/IEC<br>11801) / Cat.5e (TIA T568-B), Radox GKW S, 10<br>m |
| Order No.  | <a href="#">1010850100</a>  |
| Type       | IE-C5DB4RE0100MCSMCS-E  |
| GTIN (EAN) | 4032248800926   |
| Qty.       | 1 pc(s).  |

Creation date March 13, 2023 10:45:32 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 10 m  | Length (inches) | 393.701 inch |
| Net weight | 798 g |                 |              |

**Temperatures**

|                             |                |                             |                |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature         | -40 °C...90 °C | Operating temperature       | -40 °C...90 °C |
| Operating temperature, min. | -40 °C         | Operating temperature, max. | 90 °C          |
| Installation temperature    | -25 °C...90 °C |                             |                |

**Cable specific standards**

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

**General standards**

|                         |         |                    |                 |
|-------------------------|---------|--------------------|-----------------|
| Certificate no. (cULus) | E316369 | Connector standard | IEC 61076-2-101 |
|-------------------------|---------|--------------------|-----------------|

**Standards**

|                                  |  |   |  |
|----------------------------------|--|---|--|
| Connector standard               | IEC 61076-2-101  | 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 | Flames propagate vertically on bundled cables | According to BS4066-3, DIN EN 50266-2-5, According to IEC 60332-3-25 D |
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**Technical data****Cable structure**

|                       |   |                          |               |
|-----------------------|---|--------------------------|---------------|
| Cross-section         | 2*2*AWG 22/7 - 2*2*0.36 mm <sup>2</sup> | Insulation cross-section | 1.95 mm       |
| Material sheath       | Radox GKW S                             | Sheath diameter, max.    | 7.55 mm       |
| Sheath diameter, min. | 6.95 mm                                 | Sheathing colour         | black, SF/UTP |
| Shielding             | SF/UTP                                  | Strands                  | 7             |

**Electrical properties of cable**

|          |  |
|----------|--|
| Category | Cat.5 (ISO/IEC 11801) /<br>Cat.5e (TIA T568-B) |
|----------|--|

**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, in accordance with EN 50268-2, According to IEC 61034-2 |
| Min. bending radius, repetitive | 6 * diameter                           | Resistance to oils     | in accordance with EN 50306-3  |
| Resistance to spread of flame   | in accordance with IEC 60332-1-2       |                        |  |

**Plug**

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

**Plug, left**

|                |                                 |
|----------------|---------------------------------|
| Connector left | M12 D-code – IP 67 straight pin |
|----------------|---------------------------------|

**Plug, right**

|                 |                                 |
|-----------------|---------------------------------|
| Connector right | M12 D-code – IP 67 straight pin |
|-----------------|---------------------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | 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 |

**Environmental Product Compliance**

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

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## Technical data

### Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E316369    |

### Downloads

|                    |  |
|--------------------|--|
| Engineering Data   | <a href="#">CAD data – STEP</a>  |
| Engineering Data   | <a href="#">WSCAD</a>  |
| User Documentation | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a>   |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>   |
| Brochures          | <a href="#">FL FIELDWIRING EN</a><br><a href="#">PI PROFINET CABLING EN</a><br><a href="#">FL FIELDWIRING EN</a><br><a href="#">PI PROFINET CABLING EN</a> |

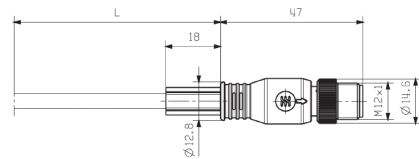
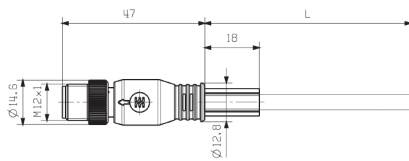
**Data sheet**

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**Drawings**



**Wiring diagram**

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

**Detailed drawing**

