

**IE-C5DB4RE0100MSSMCS-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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

**General ordering data**

|            |                                                                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | System cable, M12 D-code – IP 67 straight socket, M12 D-code – IP 67 straight pin, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), Radox GKW S, 10 m |
| Order No.  | <a href="#">1059340100</a>                                                                                                                        |
| Type       | IE-C5DB4RE0100MSSMCS-E                                                                                                                            |
| GTIN (EAN) | 4032248806669                                                                                                                                     |
| Qty.       | 1 pc(s).                                                                                                                                          |

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Catalogue status 09.09.2022 / 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 | 804 g |                 |              |

**Temperatures**

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

**Environmental Product Compliance**

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

**Cable specific standards**

|                                  |                                                                                                                                                     |                                                  |                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------|
| Corrosiveness of fumes           | to IEC 60754-2                                                                                                                                      | Fire protection in buses                         | According to ISO 6722-1<br>5.22 (UN ECE-R 118.01)                               |
| Fire safety for railway vehicles | According to DIN<br>5510-2 fire safety levels<br>1,2,3,4, According to<br>BS 6853, According to<br>EN50288-2-2, According<br>to EN 45545, HL1 - HL3 | Flames propagate vertically on bundled<br>cables | According to BS4066-3,<br>DIN EN 50266-2-5,<br>According to IEC<br>60332-3-25 D |
| Fluorine content                 | According to EN 60684-2<br>Section 45.2                                                                                                             | Hydrogen halide content                          | According to<br>EN-50267-2-1, According<br>to IEC 60754-1                       |
| Impervious to smoke              | According to BS 6853<br>Appendix D, in accordance<br>with EN 50268-2,<br>According to IEC 61034-2                                                   | Multi-wire metallic data and control<br>cable    | According to<br>EN50288-2-2                                                     |
| Poisonous gases                  | According to BS 6853<br>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<br>5510-2 fire safety levels<br>1,2,3,4, According to<br>BS 6853, According to<br>EN50288-2-2, According<br>to EN 45545, HL1 - HL3 | Flames propagate vertically on bundled<br>cables | According to BS4066-3,<br>DIN EN 50266-2-5,<br>According to IEC<br>60332-3-25 D |
| Fluorine content                 | According to EN 60684-2<br>Section 45.2                                                                                                             | Hydrogen halide content                          | According to<br>EN-50267-2-1, According<br>to IEC 60754-1                       |
| Impervious to smoke              | According to BS 6853<br>Appendix D, in accordance<br>with EN 50268-2,<br>According to IEC 61034-2                                                   | Multi-wire metallic data and control<br>cable    | According to<br>EN50288-2-2                                                     |
| Poisonous gases                  | According to BS 6853<br>Appendix B                                                                                                                  |                                                  |                                                                                 |

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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, female contact, straight, plug, Plastic, shielded |
|-----------|---------------------------------------------------------------|------------|-----------------------------------------------------------------|

## Plug, left

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

## 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 |

## Approvals

Approvals



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

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## Technical data

### Downloads

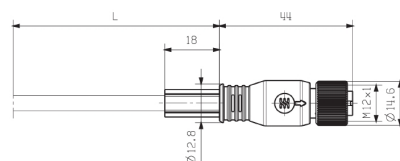
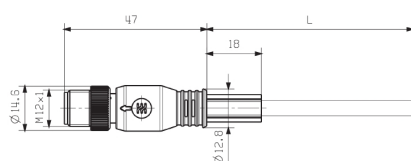
|                    |                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |

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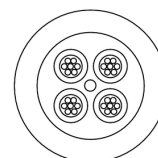
## Drawings



## Wiring diagram

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

## Detailed drawing



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