

**IE-C5DB4WE0003MCSA20-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Assembled IE lines, railway cable RW (reduced wire), cat. 5, PUR, black, RJ45 plug, no tools required, IP20 and M12 straight pin

**General ordering data**

|            |                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------|
| Version    | System cable, M12 D-code – IP 67 straight pin, RJ45 IP 20 no tools needed, Cat.5 (ISO/IEC 11801), Radox GKW S, 0.3 m |
| Order No.  | <a href="#">1220310003</a>                                                                                           |
| Type       | IE-C5DB4WE0003MCSA20-E                                                                                               |
| GTIN (EAN) | 4050118350760                                                                                                        |
| Qty.       | 1 pc(s).                                                                                                             |

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## Technical data

## Dimensions and weights

|            |       |                 |             |
|------------|-------|-----------------|-------------|
| Length     | 0.3 m | Length (inches) | 11.811 inch |
| Net weight | 50 g  |                 |             |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## 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                                                                                                      |                                               |                                                                        |

## Standards

|                                               |                                                                        |                                  |                                                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 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 | 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                                                                                                      |

## Cable structure

|                       |                                         |                          |         |
|-----------------------|-----------------------------------------|--------------------------|---------|
| Cross-section         | 2*2*AWG 22/7 - 2*2*0.36 mm <sup>2</sup> | Insulation cross-section | 1.58 mm |
| Material sheath       | Radox GKW S                             | Sheath diameter, max.    | 7 mm    |
| Sheath diameter, min. | 6.2 mm                                  | Sheathing colour         | black   |
| Shielding             | SF/UTP                                  | Strands                  | 7       |

Creation date March 23, 2021 9:20:04 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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**Technical data****Electrical properties of cable**

|          |                       |
|----------|-----------------------|
| Category | Cat.5 (ISO/IEC 11801) |
|----------|-----------------------|

**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                                                            |

**Plug, left**

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

**Plug, right**

|                 |                            |
|-----------------|----------------------------|
| Connector right | RJ45 IP 20 no tools needed |
|-----------------|----------------------------|

**plug**

|                |                                 |                 |                            |
|----------------|---------------------------------|-----------------|----------------------------|
| Connector left | M12 D-code – IP 67 straight pin | Connector right | RJ45 IP 20 no tools needed |
|----------------|---------------------------------|-----------------|----------------------------|

**Classifications**

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

**Approvals**

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

**Downloads**

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| User Documentation | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a> |
|--------------------|--------------------------------------------------------------------|

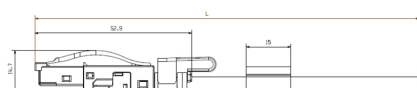
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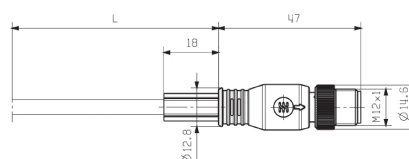
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# Drawings

## Dimensioned drawing



## Dimensional drawing



## Wiring diagram

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

## Detailed drawing

