

**IE-C5DB4FE0050MSSMSA-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 angled socket, Cat.5 / Class D, Cross-linked Premium FRNC, 5 m |
| Order No.  | <a href="#">1309930050</a>                                                                                                          |
| Type       | IE-C5DB4FE0050MSSMSA-E                                                                                                              |
| GTIN (EAN) | 4050118147902                                                                                                                       |
| Qty.       | 1 pc(s).                                                                                                                            |

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Catalogue status 12.03.2021 / 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 | 326 g |                 |             |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...90 °C | Operating temperature | -40 °C...90 °C |
| Installation temperature | -5 °C...50 °C  |                       |                |

## Environmental Product Compliance

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

## Cable specific 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  |
| Fluorine content       | According to EN 60684-2 Section 45.2                    | Hydrogen halide content          | According to IEC 60754-1, According to EN-50267-2-1 |
| Impervious to smoke    | in accordance with EN 50268-2, According to IEC 61034-2 | Poisonous gases                  | According to BS 6853 Appendix B                     |

## Electrical properties

|                   |       |
|-------------------|-------|
| Operating voltage | 300 V |
|-------------------|-------|

## 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  |
| Fluorine content       | According to EN 60684-2 Section 45.2                    | Hydrogen halide content          | According to IEC 60754-1, According to EN-50267-2-1 |
| Impervious to smoke    | in accordance with EN 50268-2, According to IEC 61034-2 | Poisonous gases                  | According to BS 6853 Appendix B                     |

## Cable structure

|                           |                           |                       |            |
|---------------------------|---------------------------|-----------------------|------------|
| Arrangement of wire cores | Star-quad                 | Cross-section         | 4xAWG22/19 |
| Material sheath           | Cross-linked Premium FRNC | Number of wires       | 4          |
| Sheath diameter, max.     | 7 mm                      | Sheath diameter, min. | 6.4 mm     |
| Sheathing colour          | black                     |                       |            |

## Electrical properties of cable

|                   |                 |                          |                         |
|-------------------|-----------------|--------------------------|-------------------------|
| Category          | Cat.5 / Class D | Characteristic impedance | 100 ± 15 Ω at 1–100 MHz |
| Operating voltage | 300 V           |                          |                         |

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**Technical data****Mechanical and material properties of cable**

|                                 |                                                         |                                |                    |
|---------------------------------|---------------------------------------------------------|--------------------------------|--------------------|
| Corrosiveness of fumes          | to IEC 60754-2                                          | Halogen                        | No                 |
| Impervious to smoke             | in accordance with EN 50268-2, According to IEC 61034-2 | Min. bending radius, once only |                    |
| Min. bending radius, repetitive | 10 x cable diameter                                     |                                | 5 x cable diameter |

**Plug, left**

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

**Plug, right**

|                 |                                     |
|-----------------|-------------------------------------|
| Connector right | M12 D-code – IP 67<br>angled socket |
|-----------------|-------------------------------------|

**plug**

|                |                                       |                 |                                     |
|----------------|---------------------------------------|-----------------|-------------------------------------|
| Connector left | M12 D-code – IP 67<br>straight socket | Connector right | M12 D-code – IP 67<br>angled socket |
|----------------|---------------------------------------|-----------------|-------------------------------------|

**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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## Drawings

### Wiring

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