

**IE-C5DB4HE0043MCSMCS-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 pin,<br>M12 D-code – IP 67 straight pin, Cat.5 / Class D,<br>HFFR Compound EM 104, 4.3 m |
| Order No.  | <a href="#">1309990043</a>                                                                                                         |
| Type       | IE-C5DB4HE0043MCSMCS-E                                                                                                             |
| GTIN (EAN) | 4050118410914                                                                                                                      |
| Qty.       | 1 pc(s).                                                                                                                           |

Creation date March 23, 2021 3:20:50 PM CET

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

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## Technical data

## Dimensions and weights

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 4.3 m | Length (inches) | 169.291 inch |
| Net weight | 296 g |                 |              |

## Temperatures

|                       |                |                          |                |
|-----------------------|----------------|--------------------------|----------------|
| Operating temperature | -40 °C...85 °C | Installation temperature | -20 °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 |
| Impervious to smoke    | in accordance with EN 50268-2, According to IEC 61034-2 |                                  |                                                    |

## 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 |
| Impervious to smoke    | in accordance with EN 50268-2, According to IEC 61034-2 |                                  |                                                    |

## Cable structure

|                           |                      |                       |              |
|---------------------------|----------------------|-----------------------|--------------|
| Arrangement of wire cores | Star-quadr           | Cross-section         | 2x2xAWG22/19 |
| Material sheath           | HFFR Compound EM 104 | Sheath diameter, max. | 6.7 mm       |
| Sheath diameter, min.     | 5.9 mm               | Sheathing colour      | black        |

## Electrical properties of cable

|                   |                 |                          |                                              |
|-------------------|-----------------|--------------------------|----------------------------------------------|
| Category          | Cat.5 / Class D | Characteristic impedance | 100 ± 15 Ω at 4–100 MHz, 100 ± 5 Ω at 100MHz |
| Operating voltage | 300 V           |                          |                                              |

## 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 | 5 x cable diameter |
| Min. bending radius, repetitive | 10 x cable diameter                                     |                                |                    |

## Plug, left

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

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Plug, right**

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

**plug**

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

**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 |

**Downloads**

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