

**IE-C5DB4WE0170MCSMCA-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Assembled IE cables, railway cable RW (reduced wire),  
Cat. 5, PUR, black, plug on both sides M12 straight pin

**General ordering data**

|            |                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------|
| Version    | System cable, M12 D-code – IP 67 straight pin,<br>M12 D-code – IP 67 angled pin, Cat. 5e, Radox<br>EM 104, 17 m |
| Order No.  | <a href="#">3189080170</a>                                                                                      |
| Type       | IE-C5DB4WE0170MCSMCA-E                                                                                          |
| GTIN (EAN) | 4069166019208                                                                                                   |
| Qty.       | 1 items                                                                                                         |

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## Technical data

## Dimensions and weights

|            |        |                 |               |
|------------|--------|-----------------|---------------|
| Length     | 17 m   | Length (inches) | 669.2913 inch |
| Net weight | 1200 g |                 |               |

## Temperatures

|                     |                       |                |
|---------------------|-----------------------|----------------|
| Storage temperature | Operating temperature | -25 °C...85 °C |
|---------------------|-----------------------|----------------|

## Cable specific standards

|                                            |                                                                                               |                                               |                                                                                                                                                                                             |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fluorine content                           | According to EN 60684-2 Section 45.2                                                          | Flames propagate vertically on bundled cables | in accordance with EN 50266, EN 50305, EN 60332-3-25, According to NF C32-070, 2.1, According to UL1685, 12 (FT4 exp.)                                                                      |
| Multi-wire metallic data and control cable | According to EN50288-2-2                                                                      | Hydrogen halide content                       | According to EN-50267-2-1                                                                                                                                                                   |
| Corrosiveness of fumes                     | EN 50267-2-2                                                                                  | Fire safety for railway vehicles              | According to BS 6853, GM/RT 2130, Ia,Ib, II, According to EN 45545, HL1 - HL3, According to DIN 5510 1-4, According to NF F16-101, A1, A2, B, According to UNI CEI 11170, LR1-LR4, NFPA 130 |
| Impervious to smoke                        | According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.) | Poisonous gases                               | According to BS 6853 Appendix B                                                                                                                                                             |

## General standards

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

## Cable structure

|                                         |                                   |                          |              |
|-----------------------------------------|-----------------------------------|--------------------------|--------------|
| Wire connection cross section AWG, max. | AWG 22                            | Sheathing colour         | black        |
| Cross-section                           | 4*AWG 22/7 - 0.32 mm <sup>2</sup> | Shielding                | SF/UTP       |
| Number of wires                         | 4                                 | Insulation cross-section | 1.55 mm      |
| Insulation                              | PE                                | Sheath diameter, max.    | 7 mm         |
| Sheath diameter, min.                   | 6.2 mm                            | Material sheath          | Radox EM 104 |
| Colour coding                           | yellow, white, orange, blue       |                          |              |

## Electrical properties of cable

|          |         |
|----------|---------|
| Category | Cat. 5e |
|----------|---------|

## Mechanical and material properties of cable

|                                 |                                                |                                |                     |
|---------------------------------|------------------------------------------------|--------------------------------|---------------------|
| Resistance to oils              | in accordance with EN 50264-1 or EN 50306-1    | Halogen                        | No                  |
| Min. bending radius, repetitive | 6 *diameter                                    | Min. bending radius, once only | 10 x cable diameter |
| Resistance to spread of flame   | in accordance with IEC 60332-1-2, According to | Corrosiveness of fumes         | EN 50267-2-2        |

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|                        |                                                                                               |             |             |
|------------------------|-----------------------------------------------------------------------------------------------|-------------|-------------|
|                        | NF C32-070, 2.1, NFPA 130                                                                     |             |             |
| Impervious to smoke    | According to BS 6853 Appendix D, According to IEC 61034-2, According to UL1685, 12 (FT4 exp.) |             |             |
| <b>Plug, left</b>      |                                                                                               |             |             |
| Plug left              | M12, D-coded, Number of poles: 4, IP67, male contact, straight, plug, shielded                |             |             |
| <b>Plug, right</b>     |                                                                                               |             |             |
| Plug right             | M12, D-coded, Number of poles: 4, IP67, male contact, angled 0°, plug, shielded               |             |             |
| <b>Classifications</b> |                                                                                               |             |             |
| ETIM 8.0               | EC002599                                                                                      | ETIM 9.0    | EC002599    |
| ETIM 10.0              | EC002599                                                                                      | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0            | 27-06-03-08                                                                                   |             |             |

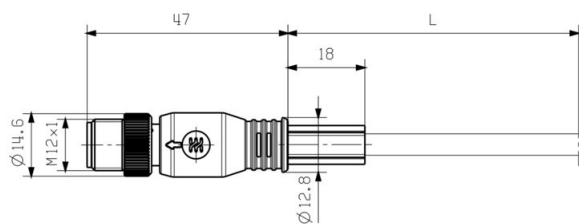
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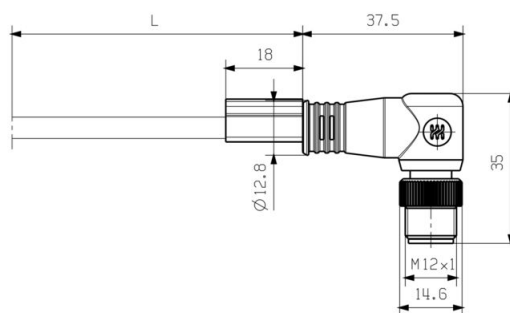
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## Drawings

### Dimensioned drawing



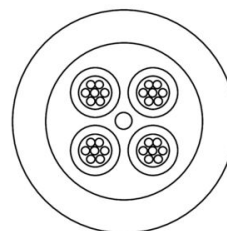
### Dimensioned drawing



### Wiring diagram

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

### Detailed drawing



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## Accessories

## Screwty® cable gland tool



The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

## General ordering data

|            |                            |                                                   |
|------------|----------------------------|---------------------------------------------------|
| Type       | SCREWTY SET                | Version                                           |
| Order No.  | <a href="#">1910000000</a> | Cable gland tool for M8, M12 lines and connectors |
| GTIN (EAN) | 4032248436842              |                                                   |
| Qty.       | 1 ST                       |                                                   |

## Screwty® cable gland tool with torque function



The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

## General ordering data

|            |                            |                                                   |
|------------|----------------------------|---------------------------------------------------|
| Type       | SCREWTY SET -DM            | Version                                           |
| Order No.  | <a href="#">1920000000</a> | Cable gland tool for M8, M12 lines and connectors |
| GTIN (EAN) | 4032248436859              |                                                   |
| Qty.       | 1 ST                       |                                                   |

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## General ordering data

|            |                            |                                        |
|------------|----------------------------|----------------------------------------|
| Type       | SCREWTY- M12               | Version                                |
| Order No.  | <a href="#">1900000000</a> | Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248375868              |                                        |
| Qty.       | 1 ST                       |                                        |

## Screwty® cable gland tool with torque function



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## General ordering data

|            |                            |                                        |
|------------|----------------------------|----------------------------------------|
| Type       | SCREWTY-M12-DM             | Version                                |
| Order No.  | <a href="#">1900001000</a> | Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248436408              |                                        |
| Qty.       | 1 ST                       |                                        |