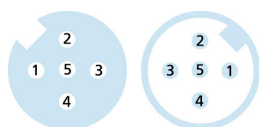
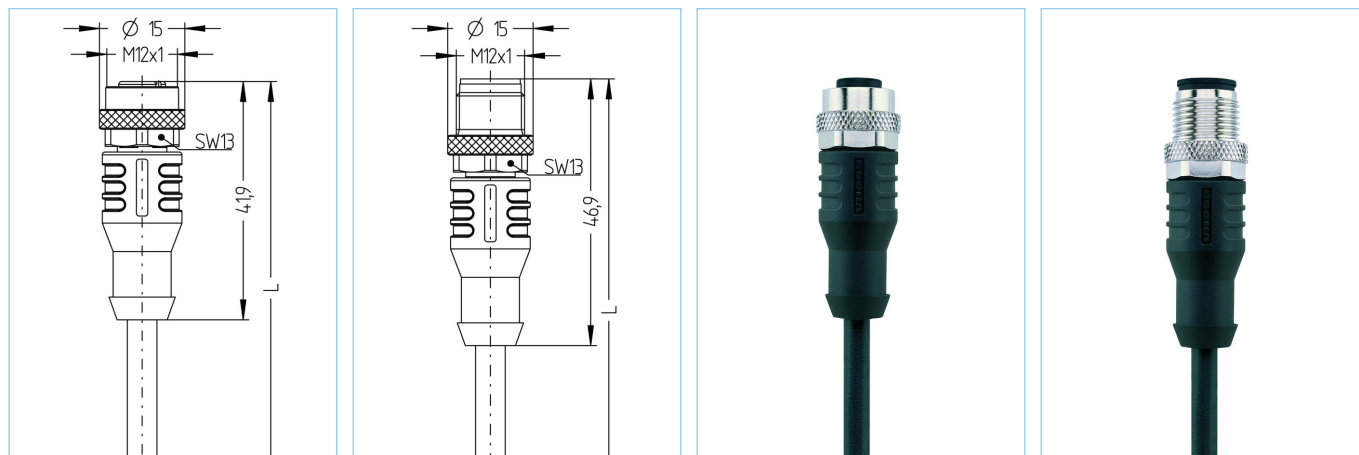


## M12, female, straight, 5 poles, M12, male, straight, 5 poles, CANopen/DeviceNet



CANopen



### Product data

|                    |                                 |
|--------------------|---------------------------------|
| Item description   | CD-WAK5.022-6-CD-WAS5.022/S2800 |
| Item-No.           | 8053351                         |
| Length             | 6m                              |
| Customs tariff-No. | 85444290                        |
| Step-File          | CD-WAK5-m-CD-WAS5.stp           |
| EAN                | 4047106214975                   |

| Technical data                 | A-side                                                  | B-side                                                  |
|--------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Connector                      | female, straight, M12                                   | male, straight, M12                                     |
| Number of pins                 | 5                                                       | 5                                                       |
| Pin assignment                 | 1 (GND), 2 RD (+), 3 BK (-), 4 WH (CAN_H), 5 BU (CAN_L) | 1 (GND), 2 RD (+), 3 BK (-), 4 WH (CAN_H), 5 BU (CAN_L) |
| Coding of                      | A                                                       | A                                                       |
| Rated voltage                  | 60V                                                     | 60V                                                     |
| Current load (at 40°C)         | 4A                                                      | 4A                                                      |
| Insulation resistance          | $\geq 10^9 \Omega$                                      | $\geq 10^9 \Omega$                                      |
| Resistance                     | $\leq 5 m\Omega$                                        | $\leq 5 m\Omega$                                        |
| Ambient temperature product    | -30°C...+90°C                                           | -30°C...+90°C                                           |
| Contact material               | Metal, CuZn, gold-plated                                | Metal, CuZn, gold-plated                                |
| Contact-carrier material       | Plastic, TPU, BK                                        | Plastic, TPU, BK                                        |
| Grip body material             | Plastic, TPU, BK                                        | Plastic, TPU, BK                                        |
| Coupling nut material          | Metal, CuZn, nickel-plated                              | Metal, CuZn, nickel-plated                              |
| Sealing (female) material      | FPM/FKM                                                 |                                                         |
| Standards                      | IEC 61076-2-101                                         | IEC 61076-2-101                                         |
| Degree of protection (mounted) | IP65, IP67, IP68                                        | IP65, IP67, IP68                                        |
| Mechanical life-cycle          | >100 mating cycles                                      | >100 mating cycles                                      |
| Degree of pollution            | 3                                                       | 3                                                       |

## Cable web

PUR, UL, S2800, CANopen/DeviceNet

UL- and CSA-listed shielded PUR-cable for automation technology. As a data transmitter, it supports CANopen as well as DeviceNetbased fieldbuses. High transmission rates enable transport of real-time data. Due to the constructive setup and the materials used, increased mechanical stresses (abrasion, bending, vibrations etc.) do not pose any restrictions to the application. Drag-chain application is possible. (>2.5million bending cycles).

|                              |                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 6.90 mm                                                                                                                                                                                                                      |
| Cable-jacket material        | PUR                                                                                                                                                                                                                          |
| Jacket color                 | BK, similar RAL9005                                                                                                                                                                                                          |
| Wire cross-section           | 2 x 0.25 mm <sup>2</sup> + 2 x 0.34 mm <sup>2</sup>                                                                                                                                                                          |
| Wire insulation material     | PE/PP                                                                                                                                                                                                                        |
| Wire colors                  | WH, BU, RD, BK                                                                                                                                                                                                               |
| Wire structure               | 19 x 0.13mm (0.25mm <sup>2</sup> ), 19 x 0.15mm (0.34mm <sup>2</sup> )                                                                                                                                                       |
| Bending radius (fixed)       | 5 x Ø-cable                                                                                                                                                                                                                  |
| Bending radius (repeated)    | 10 x Ø-cable                                                                                                                                                                                                                 |
| Temperature range (repeated) | -25°C...+80°C                                                                                                                                                                                                                |
| Temperature range (fixed)    | -50°C...+80°C                                                                                                                                                                                                                |
| Drag chain-application       | >2.5Mio. cycles                                                                                                                                                                                                              |
| Shielding                    | Yes, with stranded wire                                                                                                                                                                                                      |
| Halogen-free                 | Yes                                                                                                                                                                                                                          |
| Rated voltage cable          | ≤300 V                                                                                                                                                                                                                       |
| Special features             | flame retardant, halogen free, hydrolysis proof, LABS free, microbes resistant, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, UV resistant |

## Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0   | EC001855 |
| ETIM 6.0   | EC001855 |

## Accessories

### Mounting-clip, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660>

### Torque-wrench set

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

### Marking rings Ø 9mm

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>

### Screw plug, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=812>

### Screw cap, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811>