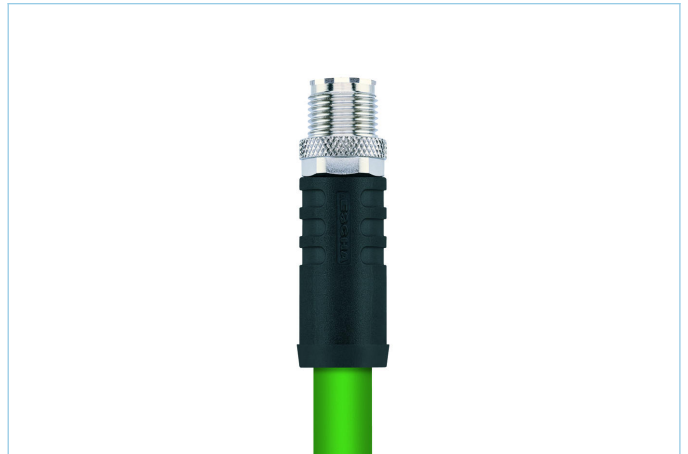
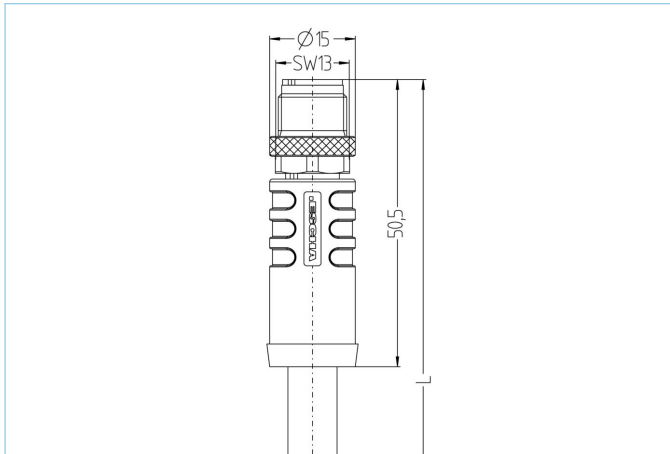


## Single-ended cordset, 10 GBit/s, Industrial Ethernet, M12, shielded, drag chain-adapted



### Product data

|                    |                       |
|--------------------|-----------------------|
| Item description   | IE-WASSX8.066-5/S4031 |
| Item-No.           | 8063579               |
| Length             | 5m                    |
| Customs tariff-No. | 85444290              |
| Step-File          | IE-WASSX8-L_S403X.stp |
| EAN                | 4047106149345         |

### Technical data

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Connector                      | male, straight, M12                                    |
| Number of pins                 | 8                                                      |
| Pin assignment                 | 1 WHOG, 2 OG; 3 WHGN, 4 GN; 5 WHBN, 6 BN; 7 WHBU, 8 BU |
| Coding                         | X                                                      |
| Rated voltage                  | 50V <sub>AC</sub>   60V <sub>DC</sub>                  |
| Current load (at 40°C)         | 0.5A                                                   |
| Insulation resistance          | ≥10 <sup>9</sup> Ω                                     |
| Resistance                     | ≤ 5mΩ                                                  |
| Transmission features          | Cat6A                                                  |
| Ambient temperature product    | -30°C...+90°C                                          |
| Contact material               | Metal, CuZn, gold-plated                               |
| Contact-carrier material       | Plastic, PA, transparent                               |
| Grip body material             | Plastic, TPU, BK                                       |
| Coupling nut material          | Metal, CuZn, nickel-plated                             |
| Shielding                      | with shielding                                         |
| Standards                      | IEC 61076-2-109                                        |
| Degree of protection (mounted) | IP65, IP67, IP68                                       |
| Mechanical life-cycle          | >100 mating cycles                                     |
| Cable end assembly             | open cable end                                         |
| Degree of pollution            | 2                                                      |

### Advanced technical data UL

|               |                      |
|---------------|----------------------|
| Rated voltage | 48V <sub>AC/DC</sub> |
| Rated current | 0,5A                 |

## Cable

## Cat6, PUR, UL, S4031, PROFINET

PROFINET 4x2xAWG26/19 Type C is a highly flexible-, high-speed data cable of transmission category Cat 6. The cable is halogenfree, flame-retardant, resistant to oil, and resistant to abrasion due to PUR-outer jacket. It is excellently adapted for applications in industrial areas. The high-grade shielding provides for a high data transmission safety in electromagnetically charged surroundings. It is adapted for flexible applications, especially in drag-chains or on permanently movable machine parts in dry and wet areas.

|                              |                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 7,80 mm                                                                                                                                                  |
| Cable-jacket material        | PUR                                                                                                                                                      |
| Jacket color                 | GN, similar RAL6018                                                                                                                                      |
| Wire cross-section           | 4 x 2 x AWG26/19                                                                                                                                         |
| Wire insulation material     | FRNC                                                                                                                                                     |
| Wire colors                  | WH/BU ; WH/OG ; WH/GN ; WH/BN                                                                                                                            |
| Conductor structure          | 19 x 0.102 mm                                                                                                                                            |
| Bending radius (fixed)       | 4 x Ø-cable                                                                                                                                              |
| Bending radius (repeated)    | 7,5 x Ø-cable                                                                                                                                            |
| Temperature range (repeated) | -30°C...+70°C                                                                                                                                            |
| Temperature range (fixed)    | -40°C...+80°C                                                                                                                                            |
| Drag chain-application       | 4 Mio. cycles                                                                                                                                            |
| Shielding                    | Yes                                                                                                                                                      |
| Halogen-free                 | Yes                                                                                                                                                      |
| Transmission features        | Cat6                                                                                                                                                     |
| Rated voltage cable          | 100V                                                                                                                                                     |
| Special features             | flame retardant, recyclable, LABS free, RoHs compliant, ozone resistant, UV resistant, drag chain-adapted, halogen free, oil resistant, high flexibility |

## Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27060307 |
| eCl@ss 7.0 | 27060307 |
| eCl@ss 8.0 | 27060307 |
| eCl@ss 9.0 | 27060307 |
| ETIM 5.0   | EC000830 |
| ETIM 6.0   | EC000830 |

## Accessories

### Mounting-set, M12

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047664/Mounting-set-M12-clips-and-screws-M4x8-black>

### Torque-wrench set

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8055431/Torque-wrench-set-M8-M12>

### Marking rings Ø 9mm

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

### Cable Stripping Tool

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066215/Cable-stripping-tool-4.40-7.00mm-outer-diameter>

### Cable Stripping Tool

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066216/Cable-stripping-tool-3.20-4.40mm-outer-diameter>