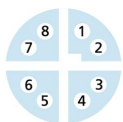
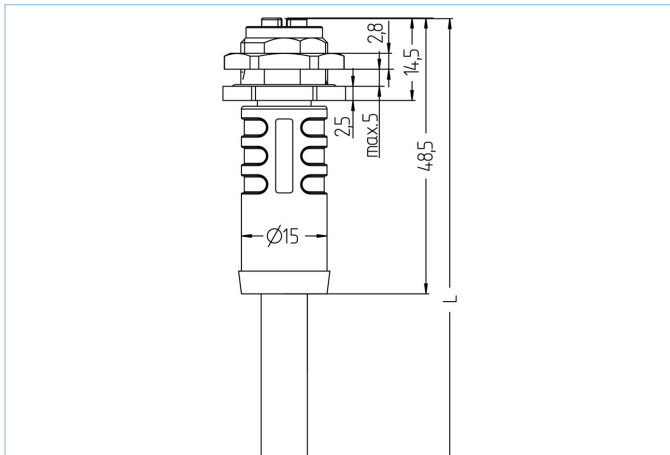


# Receptacle Single-ended cordset, M12, female, straight, 8 poles, X-coded, back wall-mounting, shielded, Industrial Ethernet



**PROFI**  
**NET**



## Product data

|                    |                           |
|--------------------|---------------------------|
| Item description   | IE-FKFSX8.066-5/S4030     |
| Item-No.           | 8063573                   |
| Length             | 2m                        |
| Customs tariff-No. | 85444290                  |
| Step-File          | IE-FKFSX8_066-m_S403X.stp |
| EAN                | 4047106149284             |

## Technical data

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Connector                      | female, 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 per pin (at 40°C) | 0.5A                                                   |
| Insulation resistance          | ≥10 <sup>9</sup> Ω                                     |
| Transmission features          | Cat6A                                                  |
| Ambient temperature product    | -30°C...+90°C                                          |
| Contact material               | Metal, CuZn, gold-plated                               |
| Contact-carrier material       | Plastic, PA, GN                                        |
| Grip body material             | Plastic, TPU, BK                                       |
| Receptacle housing material    | Metal, CuZn, nickel-plated                             |
| Sealing (female) material      | FPM/FKM                                                |
| Material of external sealing   | NBR                                                    |
| Shielding                      | with shielding                                         |
| Mounting direction             | Back wall-mounting (incl. Fixing screw)                |
| Adjustable fixing screw        | Yes                                                    |

|                                |                    |
|--------------------------------|--------------------|
| Connecting type                | Cable              |
| Standards                      | IEC 61076-2-109    |
| Degree of protection (mounted) | IP65, IP67, IP68   |
| Mechanical life-cycle          | >100 mating cycles |
| Degree of pollution            | 3                  |
| Style                          | straight           |

|                  |                             |
|------------------|-----------------------------|
| <b>Cable web</b> | <b>Cat7, PUR, UL, S4030</b> |
|------------------|-----------------------------|

PROFINET 4x2xAWG24/7 Type C is a torsion resistant-, high-speed-data cable of transmission category Cat 7. 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. Due to high-grade shielding, a high transmission safety of data in electromagnetically charged areas is provided. It is adapted for applications in dry- and wet areas.

|                              |                                                                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 9.40 mm                                                                                                                               |
| Cable-jacket material        | PUR                                                                                                                                   |
| Jacket color                 | GN, similar RAL6018                                                                                                                   |
| Wire cross-section           | 4 x 2 x AWG24                                                                                                                         |
| Wire insulation material     | Foam-Skin Polyolefin                                                                                                                  |
| Wire colors                  | WH/BU ; WH/OG ; WH/GN ; WH/BN                                                                                                         |
| Wire structure               | 7 x 0.20 mm                                                                                                                           |
| Bending radius (fixed)       | 8 x Ø-cable                                                                                                                           |
| Bending radius (repeated)    | 15 x Ø-cable                                                                                                                          |
| Temperature range (repeated) | -30°C...+70°C                                                                                                                         |
| Temperature range (fixed)    | -40°C...+80°C                                                                                                                         |
| Shielding                    | Yes                                                                                                                                   |
| Halogen-free                 | Yes                                                                                                                                   |
| Torsion                      | >5 Mio. cycles (±180°/m)                                                                                                              |
| Transmission features        | Cat7                                                                                                                                  |
| Rated voltage cable          | max. 125 V                                                                                                                            |
| Special features             | flame retardant, halogen free, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, torsion resistant, UV resistant |

#### Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27279220 |
| eCl@ss 7.0 | 27440103 |
| eCl@ss 8.0 | 27440103 |
| eCl@ss 9.0 | 27440103 |
| ETIM 5.0   | EC002061 |
| ETIM 6.0   | EC002061 |

#### Link to product

<https://www.escha.net/en/products/standard/receptacles/8063573>