

M12, male, straight, 8 poles, X-coded, M12, male, straight, 8 poles, X-coded, shielded, Industrial Ethernet 10 GBit/s



| Product data                   |  |  |
|--------------------------------|--|--|
| Item description               | IE-WASSX8.066-4-IE-WASSX8.066/S3500                    |  |
| Item-No.                       | 8094611  |  |
| Length                         | 4m   |  |
| Customs tariff-No.             | 85444290   |  |
| Step-File                      | IE-WASSX8-L-IE-WASSX8_S3500.stp                        |  |
| EAN                            | 4047106269111  |  |
| Technical data                 | A-side   | B-side   |
| Connector                      | male, straight, M12                                    | male, straight, M12                                    |
| Number of pins                 | 8  | 8  |
| Pin assignment                 | 1 WHOG, 2 OG; 3 WHGN, 4 GN; 5 WHBN, 6 BN; 7 WHBU, 8 BU | 1 WHOG, 2 OG; 3 WHGN, 4 GN; 5 WHBN, 6 BN; 7 WHBU, 8 BU |
| Coding of                      | X  | X  |
| Rated voltage                  | 50V <sub>AC</sub>   60V <sub>DC</sub>                  | 50V <sub>AC</sub>   60V <sub>DC</sub>                  |
| Current load (at 40°C)         | 0.5A   | 0.5A   |
| Insulation resistance          | ≥10 <sup>9</sup> Ω                                     | ≥10 <sup>9</sup> Ω                                     |
| Resistance                     | ≤ 5mΩ  | ≤ 5mΩ  |
| Transmission features          | Cat6A  | Cat6A  |
| Ambient temperature product    | -30°C...+90°C  | -30°C...+90°C  |
| Contact material               | Metal, CuSn, gold-plated                               | Metal, CuSn, gold-plated                               |
| Contact-carrier material       | Plastic, PA GF, BK                                     | Plastic, PA GF, BK                                     |
| Grip body material             | Plastic, TPU, BK                                       | Plastic, TPU, BK                                       |
| Coupling nut material          | Metal, CuZn, nickel-plated                             | Metal, CuZn, nickel-plated                             |
| Shielding                      | with shielding   | with shielding   |
| Standards                      | IEC 61076-2-109  | IEC 61076-2-109  |
| Degree of protection (mounted) | IP65, IP67, IP68                                       | IP65, IP67, IP68                                       |
| Mechanical life-cycle          | >100 mating cycles                                     | >100 mating cycles                                     |
| Degree of pollution            | 3  | 3  |

### Advanced technical data UL

|               |      |
|---------------|------|
| Rated voltage | 30V  |
| Rated current | 0,5A |

### Cable web Cat7, PUR, UL, S4030

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 | 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-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 cap, M12

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