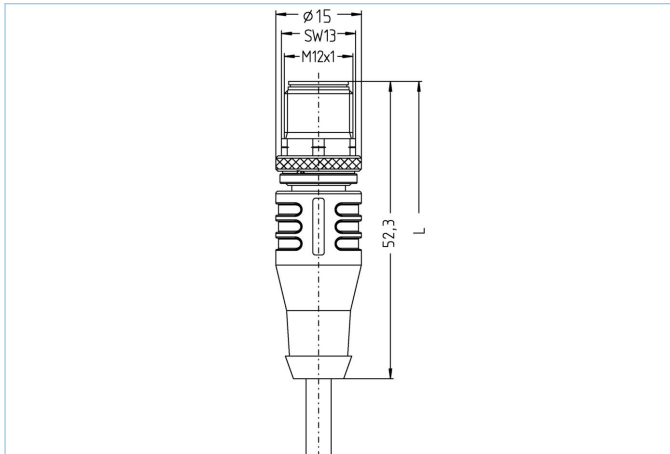


## M12, male, straight, 8 poles, X-coded, shielded, Industrial Ethernet 10 GBit/s



| Product data                   |                                                        |
|--------------------------------|--------------------------------------------------------|
| Item description               | IE-WASSX8.066-8/S3500                                  |
| Item-No.                       | 8120873                                                |
| Length                         | 8m                                                     |
| Customs tariff-No.             | 85444290                                               |
| Step-File                      | IE-WASSX8-L_S3500.stp                                  |
| EAN                            | 4047106336479                                          |
| 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 per pin (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, CuSn, 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                                                      |
| Style                          | straight                                               |

#### Advanced technical data UL

|               |                      |
|---------------|----------------------|
| Rated voltage | 30V <sub>AC/DC</sub> |
| Rated current | 0,5A                 |

#### Cable web

#### Cat7, PUR, UL, S3500

Shielded PUR-cable for industrial applications. The cable meets the UL-Style 20963 and the Cat7 (electrical properties according to EN50288-4-2) requirements. Materials and a constructive setup allow for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable.

|                              |                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 6.40 mm                                                                                                                                                                                                                                          |
| Cable-jacket material        | PUR                                                                                                                                                                                                                                              |
| Jacket color                 | GN, similar RAL6018                                                                                                                                                                                                                              |
| Wire cross-section           | 4 x 2 x 0.14 mm <sup>2</sup>                                                                                                                                                                                                                     |
| Wire insulation material     | PE                                                                                                                                                                                                                                               |
| Wire colors                  | WH/OG ; WH/GN ; WH/BN ; WH/BU                                                                                                                                                                                                                    |
| Wire structure               | 7 x 0.16 mm                                                                                                                                                                                                                                      |
| Bending radius (fixed)       | 5 x Ø-cable                                                                                                                                                                                                                                      |
| Bending radius (repeated)    | 10 x Ø-cable                                                                                                                                                                                                                                     |
| Temperature range (repeated) | -20°C...+60°C                                                                                                                                                                                                                                    |
| Temperature range (fixed)    | -40°C...+80°C                                                                                                                                                                                                                                    |
| Shielding                    | Yes                                                                                                                                                                                                                                              |
| Halogen-free                 | Yes                                                                                                                                                                                                                                              |
| Transmission features        | Cat7                                                                                                                                                                                                                                             |
| Rated voltage cable          | 30 V UL rating                                                                                                                                                                                                                                   |
| Special features             | halogen free, high flexibility, hydrolysis proof, no fire propargation, no corrosive gases, LABS free, microbes resistant, oil resistant, recyclable, RoHs compliant, acid- and alkali resistant, seawater resistant, UN ECE R 118, 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>

##### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

##### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216>