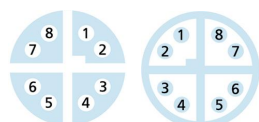
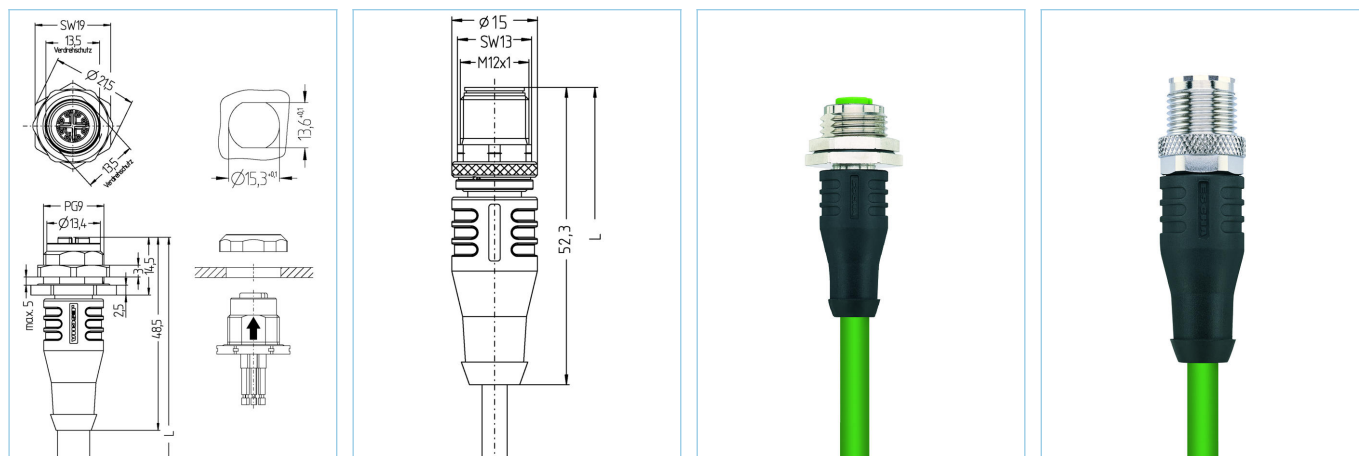


# Receptacle Double-ended cordset, M12, female, straight, 8 poles, X-coded, M12, male, straight, 8 poles, X-coded, shielded, Industrial Ethernet



| Product data                 |                                                        |                                                        |
|------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Item description             | IE-FKFSX8.066-5-IE-WASSX8.066/S3500                    |                                                        |
| Item-No.                     | 8061291                                                |                                                        |
| Length                       | 5m                                                     |                                                        |
| Customs tariff-No.           | 85444290                                               |                                                        |
| Step-File                    | IE-FKFSX8-L-IE-WASSX8_S3500.stp                        |                                                        |
| EAN                          | 4047106148201                                          |                                                        |
| Technical data               | A-side                                                 | B-side                                                 |
| Connector                    | female, 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                                     |
| 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, GN                                        | Plastic, PA, transparent                               |
| Grip body material           | Plastic, TPU, BK                                       | Plastic, TPU, BK                                       |
| Coupling nut material        | Metal, CuZn, nickel-plated                             | Metal, CuZn, nickel-plated                             |
| Receptacle housing material  | Metal, CuZn, nickel-plated                             |                                                        |
| Sealing (female) material    | FPM/FKM                                                |                                                        |
| Material of external sealing | NBR                                                    |                                                        |
| Shielding                    | with shielding                                         | with shielding                                         |
| Mounting direction           | Back wall-mounting (incl. Fixing screw)                |                                                        |
| Fastening thread             | PG9                                                    |                                                        |

|                                |                    |                    |
|--------------------------------|--------------------|--------------------|
| 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            | 2                  | 2                  |

#### 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 propagation, no corrosive gases, LABS free, microbes resistant, oil resistant, recyclable, RoHS compliant, acid- and alkali resistant, seawater 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

Marking rings Ø 9mm

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

Torque-wrench set

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

#### Link to product

<https://www.escha.net/en/products/standard/data-connectors/8061291>