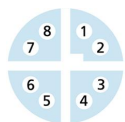
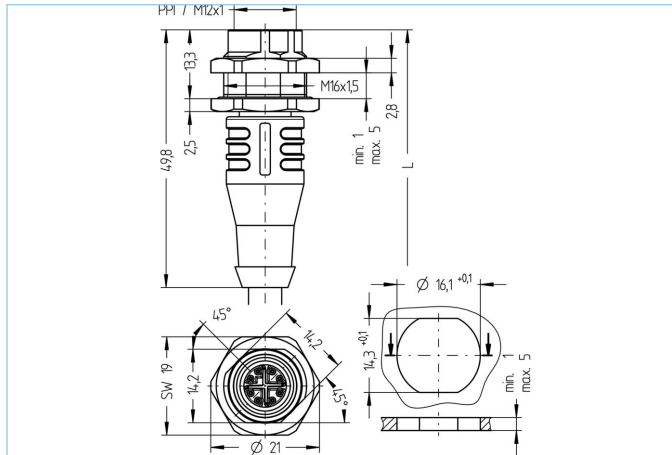


# Receptacle Single-ended cordset, M12, Push-Pull inner locking, female, straight, 8 poles, X-coded, back wall-mounting, shielded, Industrial Ethernet



## Product data

|                    |                                |
|--------------------|--------------------------------|
| Item description   | IE-PPIFKFDSX8.066-1,5/16/S3500 |
| Item-No.           | 8123963                        |
| Length             | 1.5m                           |
| Customs tariff-No. | 85444290                       |
| Step-File          | IE-PPIFKFDSX8-m_16.stp         |
| EAN                | 4047106346676                  |

## 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      | Plastic, NBR                                           |
| Material of external sealing   | NBR                                                    |
| Shielding                      | with shielding                                         |
| Mounting direction             | Back wall-mounting (incl. Fixing screw)                |
| Wrench size of fastening nut   | A/F19                                                  |
| Wall thickness area fixing nut | 1,0...5,0 mm                                           |

|                                  |                    |
|----------------------------------|--------------------|
| Connecting type                  | Cable              |
| Standards                        | IEC 61076-2-010    |
| Degree of protection (mounted)   | IP65, IP67, IP68   |
| Mechanical life-cycle            | >100 mating cycles |
| Degree of pollution              | 3                  |
| Style                            | straight           |
| Tightening torque housing/flange | 2,0 Nm             |

|                  |                             |
|------------------|-----------------------------|
| <b>Cable web</b> | <b>Cat7, PUR, UL, S3500</b> |
|------------------|-----------------------------|

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 |

|                       |          |
|-----------------------|----------|
| <b>Classification</b> |          |
| 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 |