

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



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Product data

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| Item description | IE-FKFDSX8.066-4,5/S3500 |
| Item-No. | 8110642 |
| Length | 4.5m |
| Customs tariff-No. | 85444290 |
| Step-File | IE-FKFDSX8_066-m.stp |
| EAN | 4047106306175 |

Technical data

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| 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 _{AC} 60V _{DC} |
| Current load per pin (at 40°C) | 0.5A |
| Insulation resistance | ≥10 ⁹ 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 |

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| 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 |

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| Cable web | Cat7, PUR, UL, S3500 |
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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.

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| 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 ² |
| 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 |

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| Classification | |
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| 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 |