

Double-ended cordset, 10 GBit/s, Industrial Ethernet, RJ45



| Product data | |
|--------------------|---|
| Item description | IE-RJ45SS8.002-12,5-IE-RJ45SS8.002/S620BK |
| Item-No. | 8077195 |
| Length | 12.5m |
| Customs tariff-No. | 85444290 |
| Step-File | IE-RJ45SS8-m-IE-RJ45SS8_S620.stp |
| EAN | 4047106177775 |
| Label-carrier | 2 pieces |

| Technical data | A-side | B-side |
|--------------------------------|--|--|
| Connector | male, straight, RJ45 | male, straight, RJ45 |
| Number of pins | 8 | 8 |
| Pin assignment | 1 WH/OG, 2 OG; 3 WH/GN, 4 BU; 5 WH/BU, 6 GN; 7 WH/BN, 8 BN | 1 WH/OG, 2 OG; 3 WH/GN, 4 BU; 5 WH/BU, 6 GN; 7 WH/BN, 8 BN |
| Allocation | T568B | T568B |
| Rated voltage | 50V | 50V |
| Current load (at 40°C) | 1A | 1A |
| Insulation resistance | ≥10 ⁹ Ω | ≥10 ⁹ Ω |
| Transmission features | Cat6A | Cat6A |
| Ambient temperature product | -40°C...+70°C | -40°C...+70°C |
| Contact material | Metal, CuZn, gold-plated | Metal, CuZn, gold-plated |
| Contact-carrier material | Plastic | Plastic |
| Grip body material | Plastic, TPE, BK | Plastic, TPE, BK |
| Shielding | with shielding | with shielding |
| Material of shielding housing | Metal, CuZn, nickel-plated | Metal, CuZn, nickel-plated |
| Standards | IEC 60603-7-5 | IEC 60603-7-5 |
| Degree of protection (mounted) | IP20 | IP20 |
| Mechanical life-cycle | >1000 mating cycles | >1000 mating cycles |
| Degree of pollution | 1 | 1 |

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|--------------|-----------------------------|
| cable | Cat7, FRNC, UL, S620 |
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High-grade, shielded S/FTP PiMF-data cable, specified up to 600 MHz, with halogen-free outer jacket. The cable complies with the transmission requirements of category 7 according to EN 50288-4-2 and IEC 61156-5. Due to the lean structure and the possible bending radiuses, the flexible AWG27/7-cabele is best adapted for applications in structured wiring according to ISO/IEC 11801 and EN 50173 in buildings, and server cabinets. Ideal solutions for all applications of class EA according to IEEE802.3an, VoIP, and PoE. The cable outperforms the preconditions for the compliance with electromagnetic interference class B according to EN 55022 as well as electromagnetic immunity according to EN 55024. The cable is available in grey, yellow, blue, red, green, and black. The cables meet the UL 444 Communication Cable CMG requirements.

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| Outer diameter of jacket | 6,00 mm |
| Cable-jacket material | flame retardant, halogen free compound |
| Jacket color | BK, similar RAL9005 |
| Wire cross-section | 4 x 2 x AWG27 |
| Wire insulation material | PE |
| Wire colors | WH/BU,BU ; WH/OG,OG ; WH/GN,GN ; WH/BN,BN |
| Conductor structure | 7 x 0,14 mm |
| Bending radius (fixed) | 5 x Ø-cable |
| Temperature range (fixed) | -20°C...+60°C |
| Shielding | Yes |
| Halogen-free | Yes |
| Transmission features | Cat7 |
| Cable test voltage | 1kV |
| Rated voltage cable | 125V |
| Special features | flame retardant, RoHs compliant, halogen free, low emission of smoke, high flexibility, no corrosive gases |

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| Classification | |
| eCl@ss 7.0 | 27060308 |
| eCl@ss 8.0 | 27060308 |
| eCl@ss 9.0 | 27060308 |
| ETIM 5.0 | EC002599 |
| ETIM 6.0 | EC002599 |

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| Accessories | Web-Link |
| Unlocking clip for RJ45 | https://www.escha.net/en/products/accessoires/unlocking-clips-for-rj45/ |