

LAN installation cable, CAT 7 S/FTP, 500m, Dca-s1a d1 a1, ATLAS series



General

CAT 7 S-FTP installation cable, 1200 MHz, Dca (EN 50575), AWG 23/1, 500m drum, simplex, orange.

CAT 7 S/FTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 1200 MHz. The halogen free cable jacket is conformed to the standard IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class Dca. The cable is suitable for building structured cabling in the secondary and tertiary area. Compliant with the following standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1 Future-oriented standards and high-end quality for your network.

Key features

- Physical properties:
- Conductor: bare annealed copper, solid AWG 23/1
- Insulation: SFS-PE (Foam-Skin Polyethylene)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: blue-white, orange-white, green-white, brown-white
- Individual pair shielding: aluminum foil, providing 100% coverage
- Overall shielding: copper braid
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0,50mm (Eca); 0,52mm (Dca); 0,60mm (Cca); 0,60mm (B2ca)
- Color: orange (RAL 2000)
- Mechanical properties:
- Tensile loading: 150N max.
- Dynamic bending radius: 8x AD mm min.
- Static bending radius: 4x AD mm min.
- Shipping- and storage temperature range: -20°C up to +75°C
- Operating temperature range: -20°C up to +50°C
- Installation temperature range: 0°C up to +50°C
- Overall diameter Simplex (nominal): 7,0mm (Eca); 7,2mm (Dca); 7,5mm (Cca); 7,5mm (B2ca)
- Weight (kg/km): 49,5kg (Eca); 51kg (Dca), 53kg (Cca); 53kg (B2ca)
- Electrical properties:
- Impedance: 100±15Ω @ 4 - 1000 MHz; 100±25 OHM @100-600 MHz
- Capacitance: 45pF/m nom. at 1KHz
- Capacitance: 40pF/m nominal @ 1 KHz
- Insulation resistance: 5GΩ x km min.
- DC resistance: 95Ω/km max. (2% max. resistance unbalance)
- DC loop resistance: 190Ω/km max. (2% max. resistance unbalance)
- Voltage resistance: 72Vdc max.
- Coupling attenuation: Grade 1 (CA-Type 1b)
- Signal propagation delay: 450nS/100 m max.
- Propagation delay: 10nS/100 m max.

Datasheet

- Separating class: "d" acc. to EN 50174-2
- NVP: 79%
- Assortment: twisted pair installation cables
- USB-C Products: no
- Length: 500m
- Category: CAT 7
- Color: orange
- CPR: Dca
- Jacket: LSOH
- Shielding: S-FTP, pairs in metal foil and braid shielding
- Structure: 4 x 2 AWG 23/1, solid twisted pair

Product code informations

LAN installation cable, CAT 7 S/FTP							
Product code	Description	Color	Category	Type	Length (m)	Packaging	Number (pcs)
AP-1743-VH-5	LAN installation cable, CAT 7 S/FTP	Orange (RAL 2000)	7	S/FTP	500	Drum	1