

XLAN 1000 S/FTP 4PR AWG 23/1

Data cable category 7a - 1000 MHz

Construction

- Conductor: copper, solid, bare, AWG 23/1
- Core insulation: SFS-PE
- Core identification: wh-bu, wh-or, wh-gn, wh-bn
- Core stranding: cores twisted to layers
- Screen: pair screen (PIMF) (plastic-laminated aluminium foil);
drain wire optional; tinned copper wire braid
- Sheath: PVC or halogen-free compound (FRNC)
- Sheath colour: orange RAL 2003

Technical data

- (Conductor) loop resistance max. 14,5 Ω /100 m
- Insulation resistance min. 5 G Ω x km
- Char. impedance 1 - 100 MHz 100 +/- 15 Ω
- Char. impedance 100 - 250 MHz 100 +/- 22 Ω
- Char. impedance 250 - 1000 MHz 100 +/- 25 Ω
- Transfer impedance max. (10 MHz) 3m Ω /m
- Mutual capacitance nom. 45 nF/km
- Relative propagation velocity ca. 0,78 c
- Screen attenuation $\leq$ 1200 MHz min. 85 dB
- Test voltage 700 V-AC
- Temperature range:
during installation 0°C to +50°C
stationary -20°C to +60°C
- Min. bending radius:
under tensile load 8 x diameter
without tensile load 4 x diameter
- Maximum traction 105 N

Standards

- EN 50288-4-1; IEC 61156-5; EN 50173-1; ISO/IEC 11801 2nd edition IEC 60332-1; IEC 60332-3;
IEC 60754-2; EN 61034; IEC 61034 RoHS 2002/95/EC

Application: Data cable for analogue and digital signal transmission in the frequency range up to 1000 MHz. It is designed for primary (campus), secondary (riser) and tertiary (horizontal) wiring.

Dimension	Sheath thickness appr. mm	Diameter appr. mm	Total-Weight kg/km	Cu-Weight kg/km	Calorific potential Mj/km	Article number
4 x 2 x AWG 23	0,60	7,6	64,0	34,0	610,0	4441001423

- Further formats available on request
- All data and products subject to change