

XLAN 1500 S/FTP 4PR AWG 22/1

Data cable category 7a - 1500 MHz

Construction

- Conductor: copper, solid, bare, AWG 22/1
- 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: halogen-free compound (FRNC)
- Sheath colour: yellow RAL 1021

Technical data

- (Conductor) loop resistance max. 11,5 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 - 1500 MHz 100 +/- 25 Ω
- Transfer impedance max. (10 MHz) 5 m Ω /m
- Mutual capacitance nom. 45 nF/km
- Relative propagation velocity ca. 0,79 c
- Screen attenuation $\leq$ 1500 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 150 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; IEC 61034 RoHS 2002/95/EC

Application: Data cable for analogue and digital signal transmission in the frequency range up to 1500 MHz. It is designed for primary (campus), secondary (riser) and tertiary (horizontal) wiring.

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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 22/1	0,60	8,4	73,0	42,0	705,0	4441500422

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