

VOKA-LAN SLAN 1000

S/FTP 4PR AWG 23/1

Data cable

Category 7 • Class F • 1000 MHz



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.

Use: IEEE 802.3: 10/100/1000/10GBase-T; FDDI, broadband, video, ISDN, ATM, PoE

STANDARDS

EN 50288-4-1; IEC 61156-5; EN 50173-1; ISO/IEC 11801 2nd edition IEC 60332-1; IEC 60332-3-24; IEC 60754-2; EN 61034; IEC 61034 RoHS 2011/65/EU

CONSTRUCTION

Conductor: copper, solid, bare, AWG 23/1

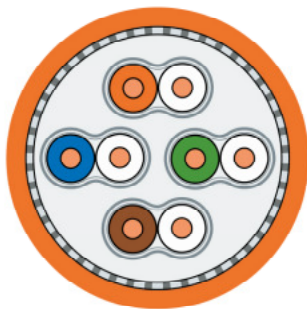
Core insulation: SFS-PE

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: halogen-free compound (FRNC); colour: orange RAL 2003; imprint: VOKA-LAN SLAN 1000 STP-C 4PR AWG 23/1 Cat.7 <00000m>



ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	14,5Ω/100 m
Insulation resistance min.	5 GΩ x km
Char. impedance 1 – 100 MHz	100 ±15 Ω
Char. impedance 100 – 250 MHz	100 ±22 Ω
Char. impedance 250 – 600 MHz	100 ±25 Ω
Transfer impedance max. (10 MHz)	5 mΩ/m
Mutual capacitance nom.	45 nF/km
Relative propagation velocity ca.	0,78 c
Screen attenuation ≤ 1000 MHz min.	75 dB
Test voltage	700 V-AC

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation	0°C to +50°C
Temperature range stationary	-20°C to +60°C
Min. bending radius under tensile load	8 x diameter
Min. bending radius without tensile load	4 x diameter
Maximum traction	105 N

dimension	sheath thickness appr. mm	diameter appr. mm	cable weight ca. kg/km	copper index kg/km	calorific potential MJ/km
4 x 2 x AWG23	0,60	7,6	63	34	590

We reserve changes which serve technical progress • Copper base 100,00 €/100,00 kg
Price upon quantity-specific request • Also available as duplex version