VOYGAR
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VOYGAR CAT7 S/FTP 1000MHz 4PR AWG 23/1 Dca Halogen-free compound (FRNC) CABLE Roll 500M Orange

Ref: V-C7E3SL57





Features

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

Dimensions

Sheath thickness appr.	0.60mm
Diameter appr.	7.6mm
Cable weight ca.	63 kg/km
Copper index	34kg/km
Cable Length	500 m
Calorific potential	590MJ/km

Construction

Conductor	copper, solid, bare, AWG 23/1
Core insulation	SFS-PE
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

Electrical Specifications

ANSI/TIA Category	7
(Conductor) loop resistance max.	14.5Ω/100m
Insulation resistance min.	5GΩx km
Char. impedance 1 – 100 MHz	100 ±15 Ω
Char. impedance 100 – 250 MHz	100 ±22 Ω
Char. impedance 250–500MHz	100 ±25Ω
Transfer impedance max. (10MHz)	5mΩ/m
Mutual capacitance nom.	45nF/km

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Screen attenuation ≤ 1000MHz min.	75dB
Mutual capacitance nom.	45 nF/km
Relative propagation velocity ca.	0,78c
Test voltage	700 V-AC

Thermal & mechanical property

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	105N

Standards

- EN 50288-4-1 • EN 50288-11-1 • IEC 61156-5 • EN 50173-1
- ISO/IEC 11801 2. edition
- IEC 60332-1-2 • IEC 60332-3-24 • EN 50399 • EN 50575 • IEC 60754-2
- EN 61034 • IEC 61034 • IEC 60811-2
- EN 13501-6 class Dca -s1 d2 a1
- RoHS 2011/65/EU

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