VOYGAR CAT6 F/UTP 350MHz 4PR AWG 24/1 Eca PVC CABLE Box 305M Light Ivory

Ref: V-C6E4TP32





Features

Data cable for analogue and digital signal transmission in the frequency range up to 350 MHz. It is designed for primary (campus), secondary (riser) and tertiary (horizontal) wiring.
Use: 10/100/1000Base-T; CDDI/TPDDI; ISDN; ATM 155MBit/s, TP_PMD 125Mbit/s, Token Ring 4/16Mbit/s; analogue telephony.

Dimensions

Sheath thickness appr.	0.60mm
Diameter appr.	7.2mm
Cable weight ca.	55kg/km
Copper index	19kg/km
Cable Length	305 m
Calorific potential	445MJ/km

Construction

Conductor	Copper, solid, bare, AWG 24/1
Core insulation	SFS-PE
Core stranding	cores twinned to pairs, pairs laid up to Cable core
Screen	plastic-laminated aluminium foil; drain wire
Sheath	PVC or halogen-free compound (FRNC)
Colour	Light Ivory

Electrical Specifications

ANSI/TIA Category	6
(Conductor) loop resistance max.	19 Ω/100 m
Char. impedance 1 – 100 MHz	100 ±15 Ω
Char. impedance 100 – 250 MHz	100 ±22 Ω
Transfer impedance max. (10MHz)	30mΩ/m (nom.)
Insulation resistance min.	5 GΩ x km
Mutual capacitance nom.	50 nF/km

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Screen attenuation ≤ 250MHz min.	40dB
Relative propagation velocity ca.	0.67 c
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	100N

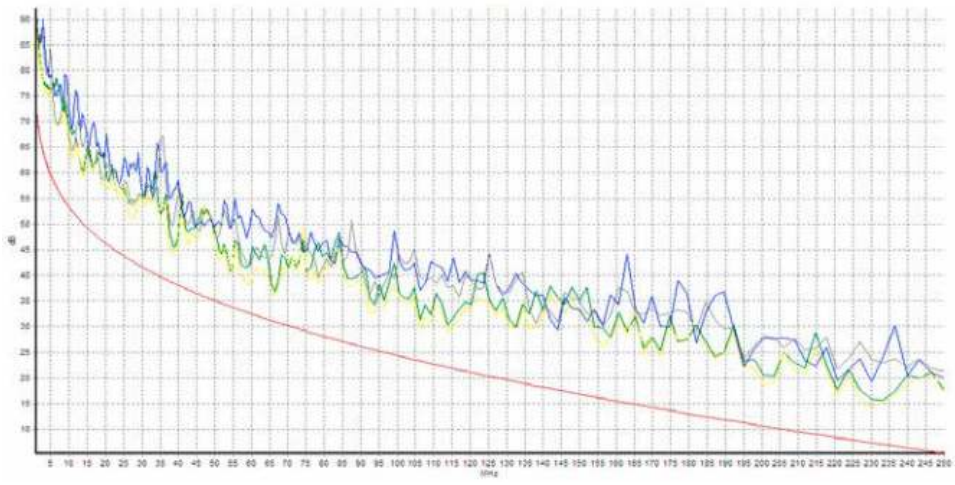
Standards

EN 50288-5-1 • IEC 61156-5 • EN 50173-1 • ISO/IEC 11801 2nd edition
IEC 60332-1 • EN 50575 • IEC 60754-2 • EN 61034 • IEC 61034
EN 13501-6 class Eca • RoHS 2011/65/EU • IEC 60811-2

Transmission characteristics

F (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB/100m)	EL-FEXT (dB/100m)	RL (dB)
	NOM	NOM	NOM	NOM	NOM
1	1.8	85	83.2	90	24
4	3.5	80	76.5	80	27
10	5.4	75	69.6	73	30
16	6.9	70	63.1	68	30
31.25	9.8	65	55.2	63	30
62.5	13.9	64	50.1	59	30
100	17.5	62	44.5	54	28
155	21.8	57	35.2	52	26
200	24.9	55	30.1	48	24
250	295	52	22.5	46	22
350	33	50	17	44	21

ACR Power sum (dB/100m)



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