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

Ref: V-C6E4UP32



Features

Data transmission cable for the frequency range up to 350 MHz with good system reserves (better than Category 6). For high quality requirements and all current data services as well as gigabit Ethernet. Easy to install.
Use: 10/100/1000Base-T; CDDI/TPDDI; ISDN; ATM 155MBit/s, TP_PMD 125 Mbit/s, Token Ring 4/16Mbit/s, analogue telephony.

Dimensions

Sheath thickness appr.	0.60mm
Diameter appr.	6.3mm
Cable weight ca.	46kg/km
Copper index	18kg/km
Cable Length	305 m
Calorific potential	360MJ/km

Construction

Conductor	copper, solid, bare, AWG 24/1
Core insulation	PE
Core stranding	cores twinned to pairs, pairs laid up to Cable core
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
Insulation resistance min.	5 GΩ x km
Mutual capacitance nom.	50 nF/km
Relative propagation velocity ca.	0.67 c
Test voltage	700 V-AC

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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	90N

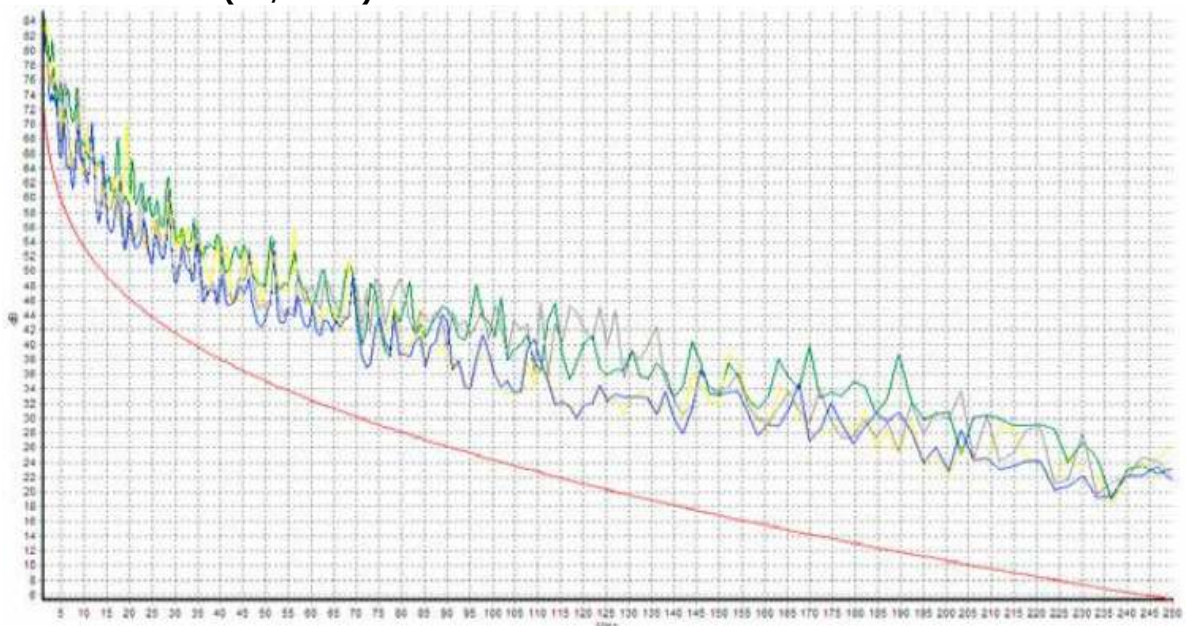
Standards

EN 50288-6-1 • 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	87	85.2	85	23
4	3.5	76	72.5	72	27
10	5.6	72	66.4	63	30
16	7.0	70	63.0	60	30
20	7.9	68	60.1	58	30
100	18.2	63	44.8	43	29
155	22.9	60	37.1	40	28
200	26.0	57	31.0	38	26
300	32.5	55	22.5	36	24
350	35.2	54	18.8	35	22

ACR Power sum (dB/100m)



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