



Application:

Category 6 applications, such as: 100BaseTX, 100BaseVG NTSC/PAL, Component or Composite Video, AES/EBU, Digital Video, RS-422, PoE



CAT6 UTP, 23AWG CCA, WHITE LSZH, 305M

General

Cable Type	Category 6
Operating Frequency	250MHz
Conductor	Copper Clad Aluminum
Number of Pairs	4
Isolation Material	HDPE
Isolation Color	Blue, White/Blue; Orange, White/Orange; Green, White/Green; Brown, White/Brown
Separator	Yes
Rip Cord	Yes
Jacket Material	LSZH
Jacket Color(s)	White
Print	Black ink. legible, cannot be wiped off by fingers
Packing	305M Pull Box

Dimensions

Conductor diameter	23AWG	0.022 in	
Isolation diameter	1.02 mm	0.040 in	
Diameter over jacket	6.10 mm	0.240 in	
Pull box	Length	400 mm	15.7 in
	Width	400 mm	15.7 in
	Height	230 mm	9.1 in

Mechanical

Operating Temperature	-40°C to + 70°C	
Bend Radius	Dynamic	57.2 mm Min.
	Static	25 mm Min.
Pull Tension	25 lbs Max.	
UV Resistance	ASTM D4329-92 (720hours UL1581)	

Electrical

Transmission Standards	ANSI/TIA-568.2-D ISO/IEC 11801 Class E EN 50173-1	
Operating Voltage	80 V Max.	
Characteristic Impedance	100 ± 15 Ohms	
Conductor DC Resistance	118.0 Ohms / km	36.0 Ohms / kft
DC Resistance Unbalance	5 % Max.	
Dielectric Strength	1500 Vac 2500 Vdc Min.	
Mutual Capacitance	5.6 nF / 100m	1.7 nF / 100ft
Pair to Ground Capacitance Unbalance	160 pF / 100m	48 pF / 100ft
Velocity of Propagation	69 % Nominal	
Delay Skew	45 ns Max.	

Compliance

Applicable	RoHS2.0(2011/65/EU)
Reaction to fire	IEC 60332-1-2 EN 50575:2014+A1:2016 EN 13501-6(Eca)
Warranty	3 years (indoor)



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