



### CAT6 FTP, 23AWG CU, GREY LSZH, CPR Dca, 500M

#### General

Cable Type	Category 6
Operating Frequency	250MHz
Conductor	Solid Copper
Number of Pairs	4
Insulation Material	HDPE
Insulation Color	Blue, White/Blue; Orange, White/Orange; Green, White/Green; Brown, White/Brown
Separator	Yes
Shield Material	AL/Poly
Rip Cord	Yes
Jacket Material	LSZH
Jacket Color	Grey
Packing	500M Wooden Reel

#### Dimensions

Conductor Diameter	23AWG	0.021 in	
Insulation Diameter	1.09 mm	0.043 in	
Diameter over Jacket	7.10 mm	0.280 in	
Wooden Reel	Flange Diameter	370 mm	14.57 in
	Hub Diameter	110 mm	4.33 in
	Traverse Width	320 mm	12.60 in

#### Mechanical

Operating Temperature	-40°C to +70°C	
Bend Radius	Dynamic	70 mm Min.
	Static	50 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	80.0 Ohms / km	24.7 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	330 pF / 100m	101 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 50399; IEC 60754-2 EN 50575:2014+A1:2016   EN 13501-6(Dca s2,d2,a1)
Warranty	3 years

#### Application:

Premise Horizontal Cable, Ethernet 1000BASE-T, Ethernet 100BASE-TX, Ethernet 10BASE-T, Noisy Environments



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