



4Pairs Cat5e FTP Cable Specification

AX2X0.50		DATE Oct 10 2014	
Cross Section		Performance	
		Electrical Characteristics:	
Marking		Frequency (MHz)	Return loss (Min dB)
Description		Attenuatio (dB/100m)	NEXT (Min dB)
Rated Temperature (°C)	75	0.772	19.4
Product Standard Certification		1	20.0
Application		4	23.0
Horizontal Wiring in LAN		8	24.5
Reference Standard		10	25.0
UL Subject 444,EIA/TIA568 & ISO/IEC 11801		16	25.0
Construction		20	25.0
Conductor	Solid Bare Copper	25	24.3
AWG	24	31.25	23.6
Conductor Dia. (mm)	0.5	62.5	21.5
Insulation	PE	100	20.1
Average Thickness(mm)	0.228	Frequency PSNEXT ELFEXT PSELFEXT Delay	
Min. Point Thickness(mm)	0.205	(MHz)	Min (dB)
Insulation Dia.(±0.01mm)	0.97	lin (dB/100m)	in (dB/100m)
Twisted Pair Dia.(±0.02mm)	1.94	max (ns/100m)	Delay
PE-Tape(mm)	Yes	0.772	64.0
Drain wire (Solid Tinned Copper) Dia.(±0.003mm)	0.40	1	62.3
Al Foil Shield(mm)	Yes	4	53.3
PE-Tape(mm)	Yes	8	48.8
Assembly Dia.(±0.2mm)	4.95	10	47.3
Jacket	LSOH/PVC	16	44.3
Average Thickness(mm)	0.60	20	42.8
Min. Point Thickness(mm)	0.54	25	41.3
Outer Dia.(±0.2mm)	6.15	31.25	39.9
Rip Cord	Per request	62.5	35.4
Color		100	32.3
Insulation colors are:		Mechanical Characteristics:	
Blue,White/Blue		Test Object	
Orange,White/Orange		Jacket	
Green,White/Green		Test Material	
Brown,White/Brown		PVC	
Jacket colors:		Before Tensile Strength (Mpa)	
Per request		Aging Elongation (%)	
Marking		Aging Condition (°Cxhrs)	
Per request		After Tensile Strength (Mpa)	
		Aging Elongation (%)	
		Cold Bend(-20±2°Cx4hrs)	
		No crack	