

CAT6 F/UTP SPECIFICATION

Product Description: FTP Cat 6 Rate Temperature: 60°C,75°C Reference Standard: ANSI/TIA-568 -B.2 Flame Test: CMG Installation Temperature: -20~+75°C		Application: 100 Base-TX 100 Base-T 100VG-AnyLAN 1000 Base-T(Gigabit Ethernet) 1000 Base-TX	
Data Sheet			
General	FTP Cat6 4P PVC+PE		
Test Standard	ISO/IEC11801, TIA-568-C.2		
Conductor	Material	Solid-Bare Copper	
	O.D(mm)	1/0.58±0.008mm	
Insulation	Material	HDPE	
	O.D(mm)	1.20±0.05mm	
Pairs	1	White-Blue/Blue	
	2	White-Orange/Orange	
	3	White-Green/Green	
	4	White-Brown/Brown	
Seperator	Size(mm)	Yes(4.8*4.8*0.7mm)	
Water Blocking Yarn		NO	
Shielding Layer	Material	Mylar+Aluminum Foil	
Drain Wire	CCA	Yes(1/0.32CCA)	
Rip Cord	Nylon	Yes(250D*3)	
Inner jacket	Thickness	0.50±0.05 mm	
	Outer O.D	7.6±0.25mm	
	Material	PVC (Black)	
Outer jacket	Thickness	0.60±0.05 mm	
	Outer O.D	8.8±0.25mm	
	Material	PE (Black)	
		Electrical Characteristics	1--250MHZ Impedance 100±15Ω
			Delay Shew(ns/100m) ≤ 45/100m
			Tensile Strength 110N
			Capacitance ≤ 5.6nF/100m
			Conductor Resistance: ≤68.5 Ω /km at 20°C
			Insulation Resistance: ≥5000 MOhm.km at 20°C
		Sheath Physical Properties	Tensile before aging ≥ 13.5mpa Elongation(%) ≥ 150%
			Aging Period(*hrs) 100*24h*7d
			Tensile after aging(MPA) ≥ 12.5 Elongation(%) ≥ 125%
			Cold Bend(-20±2°C*4hrs)
Packing	Wooden Tray		
Carton Dimension			
Packing Length	Standard 305 ± 1.5m		

