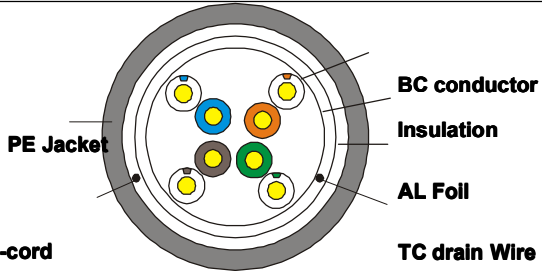


HANGZHOU XINGFA TRANSMISSION EQUIPMENT CO., LTD

Product Description: Rated temperature: 60°C, 75°C, 90°C Reference Standard: ETL Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CM, CMX Installation temperature: -30°C ~ +50°C	Application: 100Base-TX 100Base-T 100VG-AnyLAN 1000Base-T (Gigabit Ethernet) 1000Base-TX ATM
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Content of the Data Sheet

Category	FTP CAT5E-4P PVC			
Test	ISO/IEC11801、TIA- 568C.2、 YD/T1019			
Standard	Material	SOLID-Bare Copper		
1. Conductor	Nom. O.D. (mm)	0.500	Up	
			Down	-0.005
2. Insulation	Material	HDPE		
	Diameter	1.00±0.03mm		
Color	A.Blue, White-Blue	B.Orange,White-Orange		
	C.Green,White-Green	D.Brown, White-Brown		
3. Rip-cord	Yes	Drain wire	0.45mmTC	
4. Shielded	AL Foil			
5. Sheath	Thickness	0.55±0.05 mm		
	External O.D.	6.2±0.4 mm		
	Surface	Clean,Frap,Satiation		
	Material	PVC		
	Color	Black Or as clients'request		
Surface Printing	Letter height	3.0±0.3mm		
	Color	White		
	Print error & Space	≤±0.5%, 1m		
Packing	Carton, pallet			
Carton dimension	---			
Packing length	305±1.5m			

Sheath Physical Properties Electrical Characteristics (20°C)	Before Aging	Tensile Strength (Mpa)	≥13.5
		Elongation (%)	≥150
	Aging Period (°C×hrs)	100°C×24h×7d	
	After Aging	ensile Strength (Mpa)	≥12.5
		Elongation (%)	≥125
	Cold bend (-20±2°C×4h)	No visible cracks	
	1.0-100.0MHz, Impedance (Ω)	100±15	
	Delay Shew 20°C(ns/100m)	≤45	
	Capacitance (nf/100m) max	5.6	
	Capacitance unbalance to earth (pf/100m) max	330	
	DC Resistance 20°C(Ω/100m) max	9.5	
	DC Conductor Resistance Unbalance (%)max	5.0	

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Technical Performance (100m):								
Frequency (MHz)	RL \geq dB	ATT(20°C) \leq dB	NEXT \geq dB	PHASE DELAY \leq ns	Frequency (MHz)	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq dB
1	20.0	2.0	65.3	570.00	1	62.3	63.8	60.8
4	23.0	4.1	56.3	552.00	4	53.3	51.8	48.8
8	24.5	5.8	51.8	546.73	8	48.8	45.7	42.7
10	25.0	6.5	50.3	545.38	10	47.3	43.8	40.8
16	25.0	8.2	47.2	543.00	16	44.4	39.7	36.7
20	25.0	9.3	45.8	542.05	20	42.8	37.8	34.8
25	24.3	10.4	44.3	541.20	25	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	100	32.3	23.8	20.8