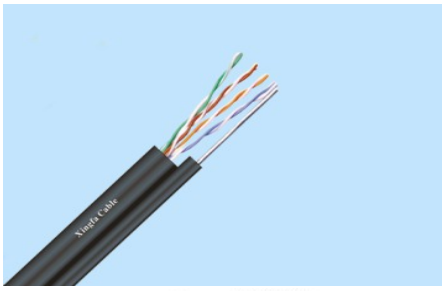
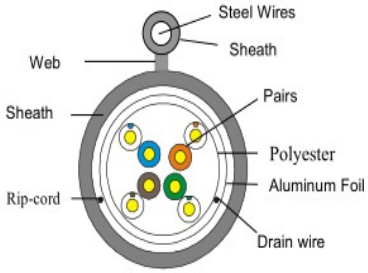
FTP4-CAT5E/M 0.5 BC

Product Description:
Rated temperature:70℃
Bare solid copper conductor
Rohs/REACH complied PVC Jacket
Installation temperature:-30℃～+50℃
Application:
100Base-TX
100Base-T
100VG-AnyLAN
1000Base-T(Gigabit Ethernet)
1000Base-TX
ATM





Content of the Data Sheet

Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019			
Conductor	Material	Solid-Bare copper		
	Nom.O.D. (mm)	**0.5**	up	0.005
			down	-0.005
Insulation	Material	HDPE		
	Diameter	**0.98±0.03mm**		
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	5.9/2.6±0.4 mm		
	Surface	glossy		
	Material	PVC		
	Color	black		
Surface Printing	Letter height	3.0±0.3mm		
	Color	white		
	Print error & Space	≤±0.5% ，1m		
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		
	3 White-Green /Green	4 White- Brown /Brown		
messenger	1.16mm steel wire			
Packing	305M/ wooden tray			
Carton dimension	**31.5X31.5X32cm**			
Packing length	(305±1.5)m			
Rip-cord	Yes		Drain wire	YES

Sheath Physical properties	Before Aging Tensile Strength (Mpa) ≥ 9 Elongation(%) ≥100
	Aging Period(℃×hrs) 100℃×24h×7d
	After Aging Tensile Strength(Mpa) ≥ 8 Elongation(%) ≥ **50**
	Cold bend(-20±2℃×4h) 8×Cable O.D. , No visible cracks
Electrical Characteristics (20℃)	1.0-100.0MHz Impedance(Ω) : 100±15
	1.0-100.0MHz Delay Shew (ns/100m) : ≤ 330
	NVP : 69%
	Capacitance(PF/100m) max: 5.6
	DC ResistanceΩ/100m) max; 9.5
	DC Conductor Resistance Unbalance(%) max 5.0

Technical Performance (100m):				
Frequency(MHz)	RL≥dB	ATT(20℃)≤dB	NEXT≥dB	PHASE DELAY≤ns
1	20	2	65.3	570
4	23	4.1	56.3	552
8	24.5	5.8	51.8	546.73
10	25	6.5	50.3	545.38
16	25	8.2	47.2	543
20	25	9.3	45.8	542.05
25	24.3	10.4	44.3	541.2
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17	38.4	538.55
100	20.1	22	35.3	537.6

Technical Performance (100m):			
Frequency(MHz)	PSNEXT≥dB	ELFEXT≥dB	PSELFEXT≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8