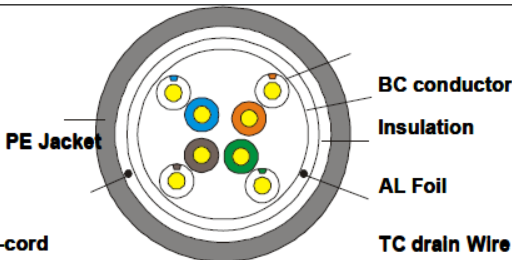


REF : F/UTP 4 pairs cable - category 5e - 100MHz – PE Sheath

Product Description: Bare solid copper conductor Rohs/REACH complied PEJacket Installation temperature: -30℃～+50℃				Application: 100Base-TX 100Base-T 100VG-AnyLAN 1000Base-T(Gigabit Ethernet) 1000Base-TX ATM				
Content of the Data Sheet								
Category	F/UTP CAT5e-4P-PE							
Test	ISO/IEC11801、TIA- 568C.2、 YD/T1019							
Standard	Material	SOLID-Bare Copper						
1. Conductor	Nom. O.D. (mm)	0.500	Up					+0.005
			Down					-0.005
2. Insulation	Material	HDPE						
	Diameter	1.00±0.03mm						
Color	A.Blue, White-Blue	B.Orange,White-Orange		Sheath	Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0
	C.Green,White-Green	D.Brown, White-Brown				Elongation (%)	≥350	
3. Rip-cord	Yes	Drain wire	0.45mmTC			Aging Period (℃×hrs)	100℃×24h×10d	
4. Shielded	AL Foil					After Aging	Elongation (%)	≥300
5. Sheath	Thickness	0.55±0.05 mm				Cold bend (-20±2℃×4h)	No visible cracks	
	External O.D.	6.2±0.4 mm		Electrical Characteristics (20℃)	1.0-100.0MHz, Impedance (Ω)	100±15		
	Surface	Clean,Frap,Satiation			Delay Shew 20℃(ns/100m)	≤45		
	Material	PE			Capacitance (nf/100m) max	5.6		
	Color	Black			Capacitance unbalance to earth (pf/100m) max	330		
Surface Printing	Letter height	3.0±0.3mm			DC Resistance 20℃(Ω/100m) max	9.5		
	Color	White		DC Conductor Resistance Unbalance (%)max	5.0			
	Print error & Space	≤±0.5%, 1m						
Packing	Carton, pallet							
Carton dimension	——							
Packing length	305±1.5m							

Technical Performance (100m):								
Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥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