

LAN CABLE SC-F/UTP-6E-PVC

Product Description: Rated temperature:60℃,75℃, 90℃ Reference Standard:UL444,UL1581, UL1666 Bare solid copper conductor Rohs/REACH complied PVC Jacket Flame Test: CMX,CM,CMR 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-PVC						
Test	ISO/IEC11801、TIA- 568C.2、 YD/T1019						
1. Conductor	Material	SOLID-Bare Copper					
	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					
	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					
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					Before Aging Tensile Strength (Mpa) ≥13.5		
					Elongation (%) ≥150		
Electrical Characteristics (20℃)					Aging Period (℃×hrs) 100℃×24h×7d		
					After Aging ensile Strength (Mpa) ≥12.5		
					Elongation (%) ≥125		
					Cold bend (-20±2℃×4h) No visible cracks		
					1.0-100.0MHz, Impedance (Ω) 100±15		
					Delay Shew 20℃(ns/100m) ≤45		
					Capacitance (nf/100m) max 5.6		
					Capacitance unbalance to earth (pf/100m) max 330		
					DC Resistance 20℃(Ω/100m) max 9.5		
					DC Conductor Resistance Unbalance (%)max 5.0		

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

