

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 Noisy Environments			
Content of the Data Sheet							
Category	F/UTP CAT6-4P-PVC						
Test Standard	ISO/IEC11801、TIA- 568-C.2、YD/T 1019						
Conductor	Material	Solid Bare copper					
	Nom.O.D.(mm)	0.570	up +0.005 down -0.005				
Insulation	Material	HDPE					
	Diameter	1.09±0.03 mm					
Screening Material	Aluminum Foil			Sheath Physical Properties Before Aging Tensile Strength (Mpa) ≥13.5 Elongation(%) ≥150 Aging Period (℃×hrs) 100℃×24h×7d After Aging Tensile Strength(Mpa) ≥12.5 Elongation(%) ≥125 Cold bend(-20±2℃×4h) 8×Cable O.D No visible cracks			
Sheath	Thickness	0.60±0.05mm					
	External O.D.	7.4±0.4 mm					
	Surface	Clean,Frap,Satiation					
	Material	PVC					
	Color	According to the requires					
Surface Printing	Letter height	3.0±0.3mm		Electrical Characteristics (20℃) 1.0-250.0MHz Impedance (Ω) 100±15 1.0-250.0MHz Delay Shew (ns/100m) ≤45 NVP 69% capacitance (nf/100m) max 5.6 unbalanced-to-ground capacitance (pf/100m) max 330 DC Resistance (Ω/100m) max 9.38 DC Conductor Resistance Unbalance (%)max 5.0			
	Color	Black					
	Print error & Space	≤±0.5%, 1m					
Core Color	1 White- Blue /Blue	2 White-Orange /Orange					
	3 White- Green /Green	4 White- Brown /Brown					
Packing	Wooden Tray & Carton						
Wooden Tray dimension	According to the requires						
Packing length	305±1.5m						
Rip-cord	Yes	Drain wire	Yes				

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	2.03	74.3	570.00	1	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	4	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	8	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	10	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	16	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	20	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	25	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	31.25	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	62.5	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	100	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	200	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	250	36.3	19.8	16.8

