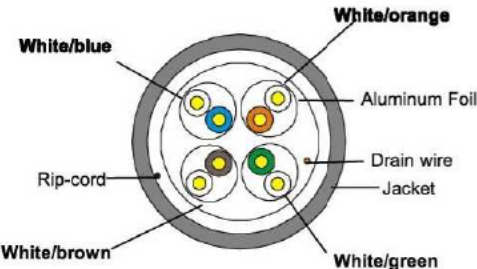
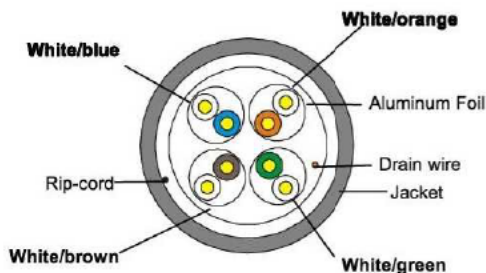


Technical specification/ Data sheet

LAN cable: F/UTP CAT6A

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: Volp , ISDN Token , 100M TP-PDM Analog and Data Video TR-16 Active And Passive 155M/662m/1.2GATM IEEE802.3: 100Base;100Base-T 1000Base-T 10GBase-T							
F/UTP CAT6A											
Category											
Test Standard								ISO/IEC11801、 TIA-568-C.2 、 YD/T1019			
Conductor								Material		SOLID-Bare Copper	
								Nom.O.D.(mm)		0.570	
										up +0.005 down -0.005	
Insulation		Material		Skin-foam-skin PE							
		Diameter		1.350±0.05 mm							
Screening Material		Aluminum Foil		Drain wire		TC 0.45mm					
Sheath		Thickness		0.55±0.05 mm		Sheath Physical Properties					
		External O.D.		7.6±0.5 mm							
		Surface		Clean							
		Material		PVC							
		Color		According to the requires							
Surface Printing		Letter height		3.0±0.3mm							
		Color		Black							
		Print error & Space		≤±0.5%, 1m							
Core Color (With striped color)		1 White/Blue		2 White/Orange		Electrical Characteristics (20℃)					
		3 White/Green		4 White/Brown							
Packing		Wooden Tray									
Wooden Tray dimension		According to the requires									
Packing length		305±1.0m									
Rip-cord		Yes									
						Before Aging Tensile Strength (Mpa) ≥13.5 Elongation (%) ≥100					
						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					
						Delay Shew (ns/100m) ≤45					
						Velocity of Propagation (%) 74					
						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 2.0					



Technical Performance (100m):							
Frequency RL (MHz)	ATT ≥dB	NEXT ≤dB	PHASE DELAY ≥dB	PSNEXT ≤ns	Frequency (MHz)	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.1	74.3	570.0	1	72.3	64.8
4.0	23.0	3.8	65.3	552.0	4	63.3	52.8
8.0	24.5	5.3	60.8	546.7	8	48.8	46.7
10.0	25.0	5.9	59.3	545.4	10	57.3	44.8
16.0	25.0	7.5	56.2	543.0	16	54.2	40.7
20.0	25.0	8.4	54.8	542.1	20	52.8	38.8
25.0	24.3	9.4	53.3	541.2	25	41.3	36.8
31.25	23.6	10.5	51.9	540.4	31.25	49.9	34.9
62.5	21.5	15.0	47.4	538.6	62.5	45.4	28.9
100	20.1	19.1	44.3	537.6	100	42.3	24.8
200	18.0	27.6	39.8	536.5	200	37.8	18.8
250	17.3	31.1	38.3	536.3	250	36.3	16.8
300	16.8	34.3	37.1	536.1	300	35.1	15.3
500	15.2	45.3	33.8	535.6	500	31.8	10.8