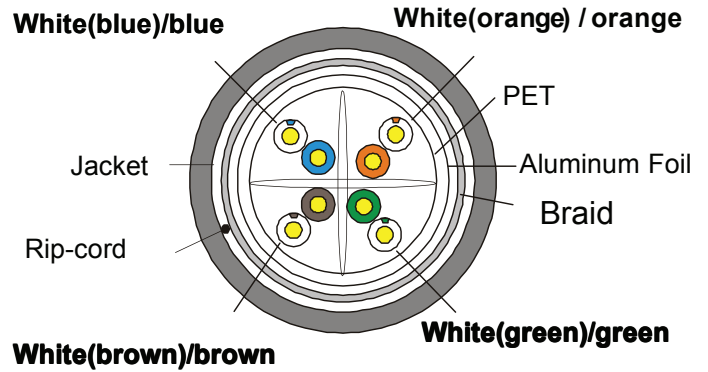


LAN CABLE

SF/UTP 4Pairs cable-category 6-LSZH Sheath

CALYX
Cabling system



Part No: P14-1506

Product Description: Rated temperature:60℃,75℃, 90℃ Reference Standard:UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C 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	SF/UTP-CAT6-4P-LSZH-TC40				Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0		
Test Standard	ISO/IEC11801、TIA- 568-C.2 YD/T1019					Elongation (%)	≥125		
Conductor	Material	SOLID-Bare Copper			Aging Period (℃×hrs)	100℃×24h×7d			
	Nom.O.D.(mm)	0.570	up	+0.005		After Aging Tensile Strength (Mpa)	≥8		
Insulation	Material	HDPE			Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 8×Cable O.D., No visible cracks			
	Diameter	1.09±0.03 mm				1-250MHz Impedance(Ω) :	100±15Ω		
Inner Screening Material	Aluminum Foil	Drain wire	No		1-250MHz Delay Skew (ns/100m)	≤45			
Outer Screening Material	Tinned copper 0.10mm	Coverage	≥40%		unbalanced-to-ground capacitance (pf/100m) max	330			
Sheath	Thickness	0.55±0.05 mm			DC Resistance (Ω/100m) max	9.38			
	External O.D.	7.8±0.3 mm				DC Conductor Resistance Unbalanc (%) max	5.0		
	Surface	Clean							
	Material	LSZH							
Surface Printing	Color	According to the requires							
	Letter height	3.0±0.3mm							
	Color	Black							
Core Color	Print error & Space	≤±0.5%, 1m							
	1 White/Blue	2 White/Orange							
Packing	3 White/Green	4 White/Brown							
	Wooden Tray & Carton								
Wooden Tray dimension	According to the requires								
Packing length	305±1.0m								
Rip-cord	Yes								

LAN CABLE

Technical Performance (100m):

Frequency (MHz)	RL \geq dB	ATT \leq dB	NEXT \geq dB	PHASE DELAY \leq ns	Frequency (MHz)	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq 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



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