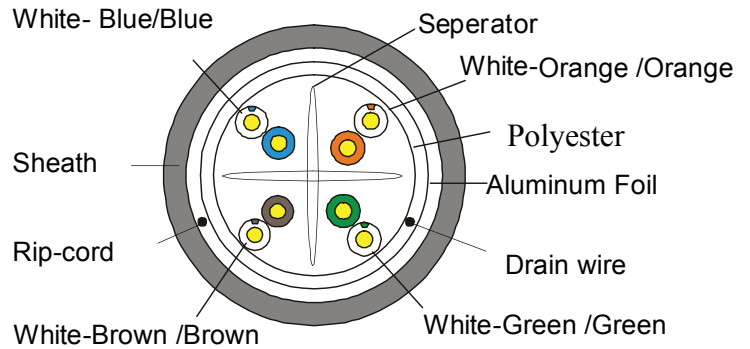


LAN CABLE

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

CALYX
Cabling system



Part No: P14-1507

<p>Product Description: Rated temperature: 90°C Reference Standard: UL444, UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1, IEC60332-3C Installation temperature: -30°C ~ +50°C</p>	<p>Application: 100Base-TX 100Base-T 100VG-AnyLAN 1000Base-T (Gigabit Ethernet) 1000Base-TX ATM Noisy Environments</p>
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Content of the Data Sheet

Category	F/UTP CAT6-4P-LSZH				Before Aging Tensile Strength (Mpa)	≥10.0	
Test Standard	ISO/IEC11801、TIA-568-C.2、YD/T 1019				Elongation(%)	≥125	
Conductor	Material	Solid Bare copper			Sheath Physical Properties	Aging Period (°C×hrs)	100°C×24h×7d
	Nom.O.D.(mm)	0.570	up	+0.005		After Aging Tensile Strength(Mpa)	≥8.0
down			-0.005	Elongation(%)	≥100		
Insulation	Material	HDPE			Electrical Characteristics (20°C)	Cold bend(-20±2°C×4h)	8×Cable O.D No visible cracks
	Diameter	1.09±0.03 mm				1.0-250.0MHz Impedance (Ω)	100±15
Screening Material	Aluminum Foil			Electrical Characteristics (20°C)	1.0-250.0MHz Delay Skew (ns/100m)	≤45	
Sheath	Thickness	0.60±0.05mm			NVP	69%	
	External O.D.	7.4±0.4 mm			capacitance (nf/100m) max	5.6	
	Surface	Clean, Frap, Satiation			unbalanced-to-ground capacitance (pf/100m) max	330	
	Material	LSZH			DC Resistance (Ω/100m) max	9.38	
	Color	According to the requires			DC Conductor Resistance Unbalance (%)max	5.0	
Surface Printing	Letter height	3.0±0.3mm					
	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				

LAN CABLE

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	2.03	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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