



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

Content of the Data Sheet

<b>Category</b>	U/UTP CAT6-4P-LSZH 23 AWG			
<b>Test Standard</b>	ISO/IEC11801, TIA-568-C.2, YD/T1019			
<b>Conductor</b>	Material	Solid-Bare Copper		
	Nom.O.D.(mm)	0.570	up +0.005 down -0.005	
<b>Insulation</b>	Material	HDPE		
	Diameter	1.02 ± 0.03mm		
<b>Sheath</b>	Thickness	0.55 ± 0.05 mm		<b>Sheath Physical Properties</b> Before Aging Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥125 Aging Period ( °C × hrs ) 100 °C × 24h × 7d After Aging Tensile Strength ( Mpa ) ≥8.0 Elongation (%) ≥100 Cold bend ( -20 ± 2 °C × 4h ) 8 × Cable O.D.
	External O.D.	6.3 ± 0.4 mm		
	Surface	Clean, Frap, Satiation		
	Material	LSZH		
<b>Surface Printing</b>	Color	According to the requires		
	Letter height	3.0 ± 0.3mm		
	Print error & Space	< ± 0.5%, 1m		
<b>Core Color</b>	1 White- Blue /Blue	2 White-Orange /Orange		<b>Electrical Characteristics (20°C)</b> 1.0-250.0 MHz Impedance (Ω) 100±15 1.0-250.0 MHz Delay Shew (ns/100m) ≤45 NVP 69% Capacitance (nF/100m) max: 5.6 DC Resistance (Ω/100m) max 9.5 DC Conductor Resistance Unbalance (%) max 5.0
	3 White-Green /Green	4 White- Brown /Brown		
<b>Packing</b>	Wooden Tray & Carton			
<b>Carton Dimension</b>	40.5*40.5*21cm			
<b>Packing Length</b>	305±1.5m / 500± m			
<b>Rip-Cord</b>	Yes	Drain Wire	No	

Art No

Product Description

FO-KBLC6-UTPPVC-001

UTP Cat6 PVC Cable ( Grey )

FO-KBLC6-UTPHF-001

UTP Cat6 LSZH Cable ( Grey )

FO-KBLC6-UTPHF-002

UTP Cat6 LSZH Cable ( Blue )