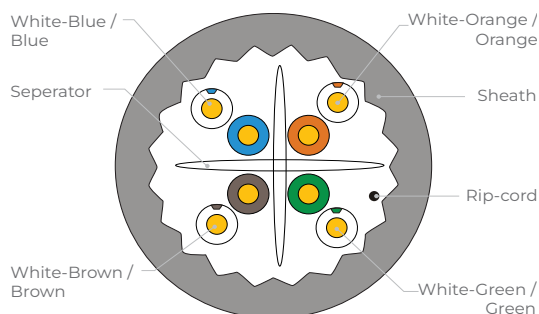


U/UTP 4Pairs Cable Category 6A-LSZH Sheath

Reference Standard- ISO/IEC11801, TIA-568-C.2



Electrical Characteristics (20°C)

Impedance (Ω)	1.0-250.0MHz	100±15
	250.0-500.0MHz	100±22
1.0-500.0MHz Delay difference 20°C(ns/100m)		≤45
DC Resistance (Ω /100km) max		9.38
DC Conductor Resistance Unbalance (%) max		5.0

Technical Specifications

Conductor	Material	SOLID Bare Copper		
	Nom.O.D.(mm)	0.565	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter	1.02±0.05mm		
Sheath	Thickness	0.70±0.05 mm (Avg.)		
	External O.D	7.1±0.4 mm		
	Surface	Clean,Frap,Satiation		
	Material	LSZH(complies RoHS)		
	Color	TBD		
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			
Carton dimension	According to the requires			
Packing length	305±1.5m			
Rip Cord	Yes	Drain wire		No
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.5		
	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. , No visible cracks			

U/UTP 4Pairs Cable Category 6A-LSZH Sheath

Reference Standard- ISO/IEC11801, TIA-568-C.2

Technical Performance (100m)

Frequency (MHz)	RL (≥ dB)	ATT (≤ dB)	NEXT (≥ dB)	Phase Delay (≤ ns)	PSNEXT (≥ dB)	ELFEXT (≥ dB)	PSELFEXT (≥ dB)
1	20.0	2.1	74.3	570.0	72.3	67.8	64.8
4	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8	24.5	5.3	60.8	546.7	58.8	49.7	46.7
10	25.0	5.9	59.3	545.4	57.3	47.8	44.8
16	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20	25.0	8.4	54.8	542.1	52.8	41.8	38.8
25	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	35.8	535.6	31.8	13.8	10.8

Ordering Information

Model	Description
E6AULI3-U-XX	ExTell CAT 6A U/UTP 23AWG LSZH Sheath, 305m

XX - denotes color.
 WH - White, BL - Blue, RD - Red, GN - Green, BK - Black, YW - Yellow, LC - Lilac, GY - Gray, OR - Orange

