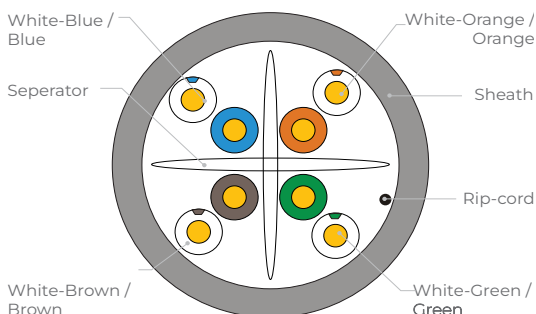


ExTell CAT6A U/UTP 4Pairs Cable LSZH Sheath, 550MHz

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



Applications

- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 2,5G Base-T, 5G Base-T, 10G Base-T
- IEEE 802.3 af (PoE) / 802.3 at (PoE+) / 802.3 bt (4PPoE 90W)

Features

- Cables compatible for PoE, PoE+, PoE++ applications
- CPR classification: B2ca
- Verified and tested to 550MHz
- High Speed 10 G Network Cables designed for LAN & Permanent Link

Technical Specifications

Conductor	Material	Solid Bare Copper		
	Nom.O.D.(mm)	0.58	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter	1.00±0.05mm		
Filling	Plastic Separator : FRPE			
Sheath	Thickness	0.58±0.05 mm		
	External O.D	7.0±0.4 mm		
	Surface	Clean,Frap,Satiation		
	Material	LSZH		
	Color	White		
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 Drum			
Packing length	305±1.5m			
PET	Yes			
Rip Cord	Yes	Drain wire		No
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5		
	Elongation(%)	≥150		
	Aging Period (°C×hrs)	100 °C ×24h×7d		
	After Aging Tensile Strength(Mpa)	≥12.5		
	Elongation(%)	≥125		
	Cold bend(-20±2°C ×4h) 8×Cable O.D. , No visible cracks			



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Electrical Characteristics (20°C)

Impedance (Ω)	1.0-250.0MHz	100±15
1.0-100.0MHz Delay Skew (ns/100m)		≤45
DC Resistance (Ω /100km) max		7.0
DC Conductor Resistance Unbalance (%) max		4.0

Technical Performance (100m)

Frequency (MHz)	RL (≥ dB)	ATT (≤ dB)	NEXT (≥ dB)	Phase Delay (≤ ns)	PSNEXT (≥ dB)	ACRF (≥ dB)	PSACRF (≥ 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	35.3	535.6	31.8	13.8	10.8
550	14.9	47.7	33.2	535.6	31.2	13.0	10.0

Ordering Information

Model	Description
E6AULI3-U-WH	ExTell Category 6A, U/UTP Network Cable 23 AWG, 305 m Drum, LSZH, White

