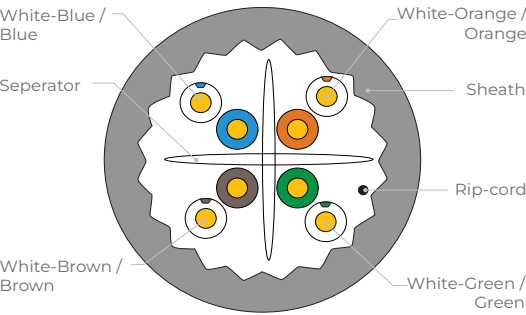


U/UTP 4Pairs Cable Category 6A-PVC Sheath

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	PVC(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)	≥13.5		
	Elongation(%)	≥150		
	Aging Period (°C×hrs)	100 °C ×24h×7d		
	After Aging Tensile Strength(Mpa)	≥12.5		
	Elongation(%)	≥12.5		
	Cold bend(-20±2°C ×4h) 8×Cable O.D. , No visible cracks			



U/UTP 4Pairs Cable Category 6A-PVC 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	15.8	10.8

Ordering Information

Model	Description
E6AUVI3-U-XX	ExTell CAT 6A, U/UTP Network Cable 23 AWG PVC, UL CMX Rated, 305 m Drum

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

