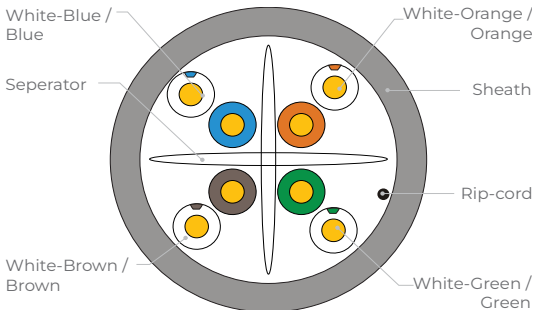


# ExTell CAT6 U/UTP 4Pairs Cable Category 6 PVC Sheath

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



## Electrical Characteristics (20°C)

Impedance ( $\Omega$ )	1.0-250.0MHz	100±15
1.0-250.0MHz Delay Skew (ns/100m)		≤45
DC Resistance ( $\Omega$ /100km) max		9.5
DC Conductor Resistance Unbalance (%) max		5.0

## Technical Specifications

Conductor	Material	SOLID Bare Copper		
	Nom.O.D.(mm)	23AWG	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter	0.98±0.05mm		
Filling	Plastic Separator : FRPE			
Sheath	Thickness	0.55±0.05 mm		
	External O.D	6.1±0.4 mm		
	Surface	Clean Surface finish		
	Material	CM PVC		
	Color	Blue/Gray/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 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(%)	≥125		
	Cold bend(-20±2°C ×4h) 8×Cable O.D. , No visible cracks			



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## Technical Performance (100m)

Frequency (MHz)	RL (≥ dB)	ATT (≤ dB)	NEXT (≥ dB)	Phase Delay (≤ ns)	PSNEXT (≥ dB)	ELFEXT (≥ dB)	PSELFEXT (≥ dB)
1	20.0	2.03	74.3	570.00	72.3	67.8	64.8
4	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25	24.3	9.51	53.3	541.20	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.4	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

## Ordering Information

Model	Description
E6XUVI3-U-BL	ExTell Category 6, U/UTP Network Cable 23 AWG, 305 m box, CMR PVC, Blue
E6XUVI3-U-GY	ExTell Category 6, U/UTP Network Cable 23 AWG, 305 m box, CMR PVC, Gray
E6XUVI3-U-WH	ExTell Category 6, U/UTP Network Cable 23 AWG, 305 m box, CMR PVC, White

