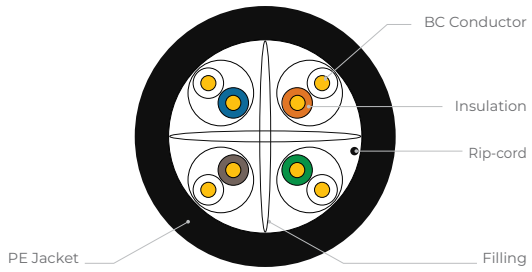
U/UTP Cable - Category 6A- 4 Pair Unshielded – PE Sheath

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



Electrical Characteristics (20°C)

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

Technical Specifications

Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.58	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter	0.99±0.05mm		
Color	A.Blue, White-Blue	B.Orange,White-Orange		
	C.Green,White-Green	D.Brown, White-Brown		
Shield	PET Tape			
Outer Sheath	Thickness	0.55±0.05 mm		
	External O.D.	0.55±0.05 mm		
	Surface	Clean, Frap, Satiation		
	Material	LDPE(complies RoHS)		
	Color	Black		
Surface Printing	Letter Height	3.0±0.3mm		
	Color	White		
	Print Error & Space	≤ ± 0.5%, 1m		
Packing	Drum			
Wooden Tray dimension	According to the requires			
Packing length	305±1.5m			
Out Jacket Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	
		Elongation (%)	≥350	
	Aging Period (°C X hrs)	100°C×24h×10d		
		Elongation (%)	≥300	
	Cold Bend (-20 ± 2°C X 4h)	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	---	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	55.8	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	9.5	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.6	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.3	47.7	538.6	45.4	31.9	28.9
100	20.1	19.8	44.3	537.6	42.3	27.8	24.8
200	18.0	28.9	39.8	536.5	37.8	21.8	18.8
250	17.3	32.8	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	33.8	535.6	31.8	13.8	10.8

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