



Category	UTP-CAT6A-4P			Jacket Physical Properties	Before Aging TensileStrength (Mpa)	≥13.5		
Test Standard	ISO/IEC11801, TIA-568-C.2				Elongation(%)	≥150		
Conductor	Material	SOLID-Bare Copper		Jacket Physical Properties	Aging Period (°C x hrs)	100°C x 24h x 7d		
	Nom.O.D.(mm)	0.574	Up +0.003 Down -0.003		23AWG	After Aging TensileStrength (Mpa)	≥12.5	
Insulation	Material	HDPE		Electrical Characteristics (20°C)	Elongation(%)	≥125		
	Diameter	1.04±0.03mm			Coldbend (-20±2°C x 4h)	No visible cracks		
Jacket	Thickness	0.70±0.05mm (Avg.)		Electrical Characteristics (20°C)	Impedance(Ω)	100±15		
	External O.D.	7.5±0.3mm			Delay Skew (ns/100m)	≤45		
	Material	PVC/LSZH			NVP	69%		
	Color	Color Code			Capacitance (nf/100m) max	5.6		
Rip-cord	Yes	Drain wire	No	Electrical Characteristics (20°C)	DC Resistance (Ω/100m) max	9.5		
					DC Resistance Unbalance (%) max	5.0		
Packing	Wooden Reel & Carton							
Dimension	As required							
Packing length	305m/500m ± 1.5m							
Technical Performance(100m):								
Frequency (MHz)	RL ≥dB	ATT ≥dB	NEXT ≥dB	PS NEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	24.5	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.4	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.8	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	37.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2
Part No.	Item Description				Color Code			
C6AU11GY	CAT 6A UTP 4 PAIR CABLE				GREY (GY) BLUE (BU) RED (RD)			
C6AU13GY	CAT 6A UTP 4 PAIR LSZH CABLE				YELLOW (YL) WHITE (WH) GREEN (GR) ORANGE (OR) BLACK (BL) PURPLE (PL)			