



Category	UTP CAT5E-4P				Jacket Physical Properties	Before Aging Tensile Strength(Mpa)	≥13.5		
Test Standard	ISO/IEC11801, TIA-568-C.2					Elongation(%)	≥150		
Conductor	Material	Solid-Bare Copper				Aging Period(°C×hrs)	100°C×24h×7d		
	Nom.O.D.(mm)	0.500	Up	+0.003		After Aging Tensile Strength(Mpa)	≥12.5		
Insulation	Material	HDPE			Elongation(%)	≥125			
	Diameter	0.88±0.03mm			Coldbend(-20±2°C×4h)	No visible cracks			
Jacket	Thickness	0.55±0.05mm			Electrical Characteristics (20°C)	Impedance(Ω)	100±15		
	External O.D.	5.0±0.3mm				Delay Skew(ns/100m)	≤45		
	Material	PVC/LSZH				NVP	69%		
	Color	Color Code				Capacitance (nf/100m) max	5.6		
Rip-cord	Yes	Drainwire	No		DC Resistance(Ω/100m) max	9.5			
					DC Resistance Unbalance(%)max	5.0			
Packing	Pull Carton				Reel & Carton				
Dimension	40.5cm x 40.5cm x 21cm				33cm x 27.5cm x 33cm				
Packing length	305±1.5m				305±1.5m				
Technical Performance(100m):									
Frequency (MHZ)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	ACR ≥dB	Frequency (MHZ)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8	
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8	
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7	
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8	
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7	
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8	
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8	
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9	
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9	
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8	
Part No.	Item Description				Color Code				
C5EU1GY	CAT 5E UTP 4 PAIR CABLE				GREY (GY) BLUE (BU) RED (RD)				
C5EU3GY	CAT 5E UTP 4 PAIR LSZH CABLE				YELLOW (YL) WHITE (WH) GREEN (GR) ORANGE (OR) BLACK (BL) PURPLE (PL)				