



Category	UTP CAT5E-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				Aging Period (°C x hrs)		100°C x 24h x 7d
	Nom.O.D.(mm)	0.500 24AWG	Up Down	+0.003 -0.003		After Aging TensileStrength (Mpa)		≥12.5 ≥125
Insulation	Material	HDPE			Coldbend (-20±2°C x 4h)		No visible cracks	
	Diameter	0.88±0.03mm						
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)			
C5EU13GY	CAT 5E UTP 4 PAIR LSZH CABLE				YELLOW (YL) WHITE (WH) GREEN (GR)			
					ORANGE (OR) BLACK (BL) PURPLE (PL)			