



Category	UTP CAT5e-4P-PVC+PE				Outer Jacket Physical Properties	Before Aging Tensile Strength(Mpa)	≥10	
Test Standard	ISO/IEC11801、TIA-568-C.2					Elongation(%)	≥350	
Conductor	Material	SOLID-Bare Copper				Aging Period(°C×hrs)	100°C×24h×10d	
	Nom.O.D.(mm)	0.500	Up	+0.003		After Aging Elongation(%)	≥300	
Insulation	Material	HDPE			Electrical Characteristics (20°C)	Coldbend(-20±2°C×4h)	No visible cracks	
	Diameter	0.88±0.03mm				Impedance (Ω)	100±15	
Inner Jacket	Material	PVC	Color	Grey		Delay Skew(ns/100m)	≤45	
	Thickness	0.55±0.05mm				NVP	69%	
Outer Jacket	Thickness	0.60±0.05mm			Capacitance (nf/100m) max	5.6		
	ExternalO.D.	6.3±0.5mm			DC Resistance (Ω/100m) max	9.5		
	Material	LDPE			DC Resistance Unbalance(%)max	5.0		
	Color	Black						
Packing	Wooden Reel & Carton							
Dimension	As required							
Packing length	305m/500m±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	31.25	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	62.5	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	100	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	1.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	4.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	8.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	10.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	16.0	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	20.0	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	25.0	32.3	23.8	20.8
Part No.	Item Description				Color Code			
C5EUI2GY	CAT 5E UTP 4 PAIR LDPE CABLE				GREY (GY)   BLUE (BU)   RED (RD) YELLOW (YL)   WHITE (WH)   GREEN (GR) ORANGE (OR)   BLACK (BL)   PURPLE (PL)			