



Category	UTP CAT3-25/50/100P		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)	0.50		Up +0.003 Down -0.003	After Aging Tensile Strength(Mpa)	≥12.5
Insulation	Material	HDPE		Elongation(%)	≥125	
	Diameter	0.87±0.02mm		Coldbend(-20±2°C×4h)	No visible cracks	
Rip-cord	Yes	Drain wire	No	Electrical Characteristics (20°C)	Impedance(Ω)	100±15
Shield	Polyester		Delay Skew(ns/100m)		≤45	
Jacket	Thickness	0.85/0.90/1.00±0.4mm			NVP	65%
	ExternalO.D.	11.3/15.0/20.2±0.8mm			Capacitance (nf/100m) max	6.6
	Material	PVC/LSZH		DC Resistance (Ω/100m) max	9.5	
	Color	Multiple		DC Resistance Unbalance(%)max	5.0	



Dimension	As required	
Packing length	305m/500m±1.5m	

Technical Performance(100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASEDELAY ≤ns	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	12.0	2.6	41.3	570.00	1.0	41.3	39.0	39.0
4.0	12.0	5.6	32.3	552.00	4.0	32.3	26.9	26.9
8.0	12.0	8.5	27.8	546.73	8.0	27.8	20.9	20.9
10.0	12.0	9.7	26.3	545.38	10.0	26.3	19.0	19.0
16.0	9.95	13.1	23.3	543.00	16.0	23.3	14.9	14.9

Part No.	Item Description	Color Code
C3025UI1GY	CAT 3 UTP 25 PAIR CABLE	GREY (GY) BLUE (BU) RED (RD)
C3050UI1GY	CAT 3 UTP 50 PAIR CABLE	YELLOW (YL) WHITE (WH) GREEN (GR)
C3100UI1GY	CAT 3 UTP 100 PAIR CABLE	ORANGE (OR) BLACK (BL) PURPLE (PL)
C3025UI3GY	CAT 3 UTP 25 PAIR LSZH CABLE	
C3050UI3GY	CAT 3 UTP 50 PAIR LSZH CABLE	
C3100UI3GY	CAT 3 UTP 100 PAIR LSZH CABLE	