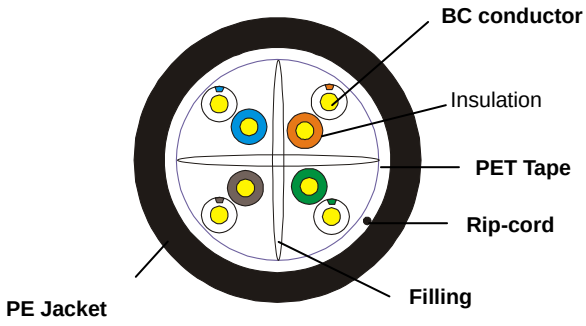
U/UTP cable - category 6- 4 Pair Unshielded –PE Sheath

P/N：40451007

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration
2016-03-11				A0	

Content of the Data Sheet

Sheath Printing				
Customer reference				
Category	U/UTP CAT6-4P-PE			
Test Standard	ISO/IEC11801、TIA- 568-C..2、YD/T1019			
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.540 23AWG	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter	0.97±0.03mm		
Color	A.Blue, White-Blue	B.Orange,White-Orange		
	C.Green,White-Green	D.Brown, White-Brown		
Shield	PET Tape			
5. Sheath	Thickness	0.55±0.05 mm		
	External O.D.	6.1±0.5 mm		
	Surface	Clean,Frap,Satiation		
	Material	LDPE (complies RoHS)		
	Color	Black		
Surface Printing	Letter height	3.0±0.3mm		
	Color	White		
	Print error & Space	≤±0.5%， 1m		
Packing	Wooden Tray & Carton			
Carton dimension	According to the requires			
Packing length	305±1.5m			
Out Jacket Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	
		Elongation (%)	≥350	
	Aging Period (℃×hrs)	100℃×24h×10d		
	After Aging	Elongation (%)	≥300	
	Cold bend (-20±2℃×4h)	No visible cracks		
Electrical Characteristics (20℃)	Characteristic impedance (Ω)	100±15		
	Delay Skew 20℃(ns/100m)	≤45		
	DC Resistance 20℃(Ω/100m) max	9.5		
	DC Conductor Resistance Unbalance (%)max	5.0		



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	52.0	540.44
62.5	21.5	15.38	47.4	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.7	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0