

U/UTP 4Pairs cable-category5E-LSZH 490312

Content of the Data Sheet				
Sheath Printing	TBD			
Customer No.		Customer Reference		
Category	U/UTP CAT5E-4P- LSZH(Dca,s1,d2,a1)			
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D			
Conductor	Material	Solid-Bare Copper		
	Nom.O.D.(mm)	0.490	up	+0.005
			down	-0.005
Insulation	Material	HDPE		
	Diameter	0.87±0.05mm		
Sheath	Thickness	0.50±0.05 mm		
	External O.D.	5.0±0.4 mm		
	Surface	Clean, Frap, Satiation		
	Material	FR-LSZH(complies RoHS)		
	Color	TBD		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%, 1m		
	Core Color	1 White- Blue /Blue	2 White-Orange /Orange	
	3 White- Green /Green	4 White- Brown /Brown		
Packing	Pull box			
Carton dimension	According to the requires			
Packing length	(305±1.5)m			
Rip-cord	Yes	Drain wire	No	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	
		Elongation(%)	≥125	
	Aging Period(□×hrs)	100□×24h×7d		
	After Aging	Tensile Strength(Mpa)	≥8.0	
		Elongation(%)	≥100	
	Cold bend(-20±2□×4h)	8×Cable O.D., No visible cracks		
Electrical Characteristics (20□)	1.0-100.0MHz	Impedance(Ω)	100±15	
	1.0-100.0MHz	Delay Skew (ns/100m)	≤45	
		DC ResistanceΩ/100m) max	9.38	
		DC Conductor Resistance Unbalance(%) max	5.0	
Reaction to fire Classification: Dca,s1,d2,a1				

White-Blue /Blue White-Orange/Orange
Sheath
Rip-cord
White- Green /Green
White- Brown /Brown

Technical Performance (100m) :				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns
1	20.0	2.0	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8