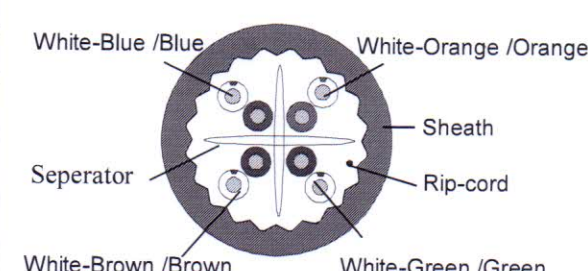


TECHNICAL DATA SHEET

U/UTP 4Pairs cable-category 6A- LSZH Sheath

P/N:G2501-010

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference							
Category	U/UTP CAT6A-4P- LSZH								
Reference Standard	ISO/IEC11801、TIA-568-C.2								
Conductor	Material	Solid-Bare Copper							
	Nom.O.D.(mm)	0.565	up	+0.005	down	-0.005			
Insulation	Material	HDPE							
	Diameter	1.02±0.05mm							
Sheath	Thickness	0.70±0.05 mm (Avg.)			Technical Performance (100m):				
	External O.D.	7.1±0.4 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
	Surface	Clean,Frap,Satiation			1	20.0	2.1	74.3	570.0
	Material	LSZH(complies RoHS)			4.0	23.0	3.8	65.3	552.0
	Color	TBD			8.0	24.5	5.3	60.8	546.7
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.9	59.3	545.4
	Color	Black			16.0	25.0	7.5	56.2	543.0
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.4	54.8	542.1
					25.0	24.3	9.4	53.3	541.2
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			31.25	23.6	10.5	51.9	540.4
	3 White-Green /Green	4 White- Brown /Brown			62.5	21.5	15.0	47.4	538.6
Packing	Wooden Tray & Carton				100	20.1	19.1	44.3	537.6
Carton dimension	According to the requires				200	18.0	27.6	39.8	536.5
Packing length	305±1.5m				250	17.3	31.1	38.3	536.3
Rip-cord	Yes	Drain wire	No		300	16.8	34.3	37.1	536.1
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥10.0		500	15.2	45.3	33.8	535.6
	Elongation(%)		≥125		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	Aging Period (℃×hrs)		100℃×24h×7d		1	72.3	67.8	64.8	
	After Aging Tensile Strength(Mpa)		≥8.0		4	63.3	55.8	52.8	
	Elongation(%)		≥100		8	58.8	49.7	46.7	
Electrical Characteristics (20℃)	Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		10	57.3	47.8	44.8	
	Impedance(Ω)	1.0-250.0MHz	100±15		16	54.2	43.7	40.7	
		250.0-500.0MHz	100±22		20	52.8	41.8	38.8	
	1.0-500.0MHz Delay Skew (ns/100m)		≤45		25	51.3	39.8	36.8	
	DC Resistance (Ω/100m) max		9.38		31.25	49.9	37.9	34.9	
	DC Conductor Resistance Unbalance (%) max		5.0		62.5	45.4	31.9	28.9	
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua