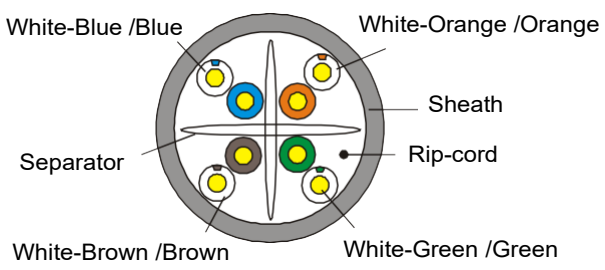




Content of the Data Sheet

Sheath Printing	TBD					
Customer No.		Customer Reference				
Category	U/UTP CAT6-4P-LSZH					
Reference Standard	ISO/IEC11801, TIA-568-C.2					
Conductor	Material	Solid-Bare Copper				
	Nom.O.D. (mm)	0.550	<table border="1"> <tr> <td>up</td> <td>+0.005</td> </tr> <tr> <td>down</td> <td>-0.005</td> </tr> </table>	up	+0.005	down
up	+0.005					
down	-0.005					
Insulation	Material	HDPE				
	Diameter	0.98 ± 0.05 mm				
Sheath	Thickness	0.55 ± 0.05 mm				
	External O.D.	6.1 ± 0.4 mm				
	Surface	Clean, Frap, Satiation				
	Material	LSZH (complies RoHS)				
	Color	TBD				
Surface Printing	Letter height	3.0 ± 0.3 mm				
	Color	Black				
	Print error & Space	≤ ± 0.5%, 1 m				
Core Color	1. White- Blue /Blue	2. White-Orange /Orange				
	3. White-Green /Green	4. White- Brown /Brown				
Packing	Wooden Tray & Carton					
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 (°C × hrs.)	100°C × 24h × 7d				
	After Aging Tensile Strength (Mpa)	≥ 8.0				
	Elongation (%)	≥ 100				
Cold bend (-20 ± 2°C × 4h) 8 × Cable O.D., No visible cracks						
Electrical Characteristics (20°C)	1.0-250.0MHz Impedance (Ω)	100 ± 15				
	1.0-250.0MHz Delay Skew (ns/100m)	≤ 45				
	DC Resistance (Ω/100m) max	9.5				
	DC Conductor Resistance Unbalance (%) max	5.0				



Technical Performance (100m):				
Frequency (MHz)	RL ≥ dB	ATT (20°C) ≤ dB	NEXT ≥ dB	PHASE 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	51.9	540.44
62.5	21.5	15.38	47.7	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	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	51.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8