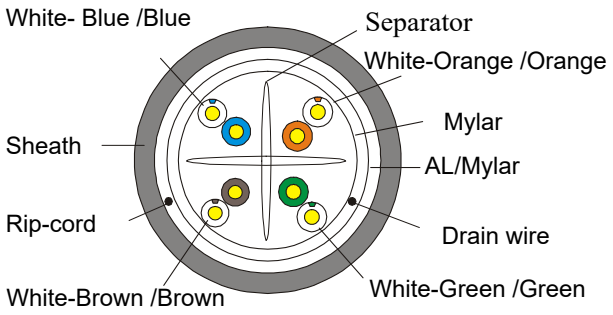
LinkPro™

F/UTP 4Pairs cable-category6A-LSZH Sheath

P/N: LG2502-016

Content of the Data Sheet					
Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	F/UTP CAT6A-4P-LSZH				
Reference Standard	ISO/IEC11801、TIA-568-C.2				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.565	up	+0.01	
			down	-0.01	
Insulation 1	Material	PE			
	Diameter	1.10±0.08mm			
Insulation 2	Material	PE			
	Diameter	1.20±0.08 mm			
Screening Material	Mylar+ AL/Mylar				
Sheath	Thickness	0.55±0.05mm			
	External O.D.	7.4±0.4 mm			
	Surface	Clean, Frap, Satiation			
	Material	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	Drum				
Wooden Tray dimension	According to the requires				
Packing length	(305±1.5)m				
Rip-cord	Yes	Drain wire	Yes		
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℃)	Impedance(Ω) 1.0-250.0MHz 100±15 250.0-500.0MHz 100±22				
	1.0-500.0MHz Delay Skew (ns/100m) ≤45				
	Unbalanced-to-ground capacitance (pf/100m) max 330				
	DC Resistance (Ω/100m) max 9.38				
	DC Conductor Resistance Unbalance (%) max 5.0				



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	—	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	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
300	35.1	18.5	15.5
500	31.8	14.0	11.0

Version	A/03	Date	2024-01-09	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2021-04-25
A/03	Specification Version 3		Caihanglie	Nidonghua	Nidonghua	2024-01-09