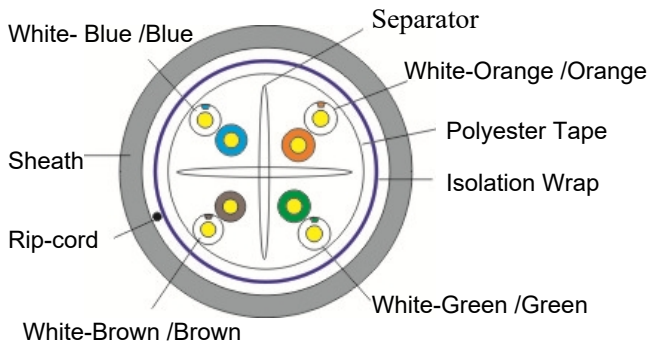
LinkPro™

U/UTP 4Pairs cable-category6A-LSZH Sheath

P/N:LG2501-046

Content of the Data Sheet					
Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	U/UTP-DF CAT6A-4P-LSZH(B2ca-s1a,d,a1)				
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D.(mm)	0.565	up	+0.005	
			down	-0.005	
Insulation 1	Material	PE			
	Diameter	1.10±0.08mm			
Insulation 2	Material	PE			
	Diameter	1.20±0.08 mm			
Filling	Plastic Separator : FRPE				
Wraping	Polyester Tape+Isolation Wrap				
Sheath	Thickness	0.65±0.05 mm			
	External O.D.	7.5±0.5 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	Drum				
Carton dimension	——				
Packing length	305±1.5m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0		
		Elongation (%)	≥100		
	Aging Period (℃×hrs)	100℃×24h×7d			
	After Aging	Tensile Strength (Mpa)	≥8.0		
		Elongation (%)	≥70		
	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		
	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	PSNEXT ≥dB
1	20.0	—	74.3	72.3
4.0	23.0	3.8	65.3	63.3
8.0	24.5	5.3	60.8	58.8
10.0	25.0	5.9	59.3	57.3
16.0	25.0	7.5	56.2	54.2
20.0	25.0	8.4	54.8	52.8
25.0	24.3	9.4	53.3	51.3
31.25	23.6	10.5	51.9	49.9
62.5	21.5	15.0	47.4	45.4
100	20.1	19.1	44.3	42.3
200	18.0	27.6	39.8	37.8
250	17.3	31.1	38.3	36.3
300	16.8	34.3	37.1	35.1
500	15.2	45.3	33.8	31.8

Frequency (MHz)	ELFEXT ≥dB	PSELFEXT ≥dB	PSANEXT ≥dB	PSAACRF ≥dB
1	67.8	64.8	67.0	67.0
4	55.8	52.8	67.0	66.2
8	49.7	46.7	67.0	60.1
10	47.8	44.8	67.0	58.2
16	43.7	40.7	67.0	54.1
20	41.8	38.8	67.0	52.2
25	39.8	36.8	67.0	50.2
31.25	37.9	34.9	67.0	48.3
62.5	31.9	28.9	65.6	42.3
100	27.8	24.8	62.5	38.2
200	21.8	18.8	58.0	32.2
250	19.8	16.8	56.5	30.2
300	18.3	15.3	55.3	28.7
500	13.8	10.8	52.0	24.2

Reaction to fire Classification：B2ca,s1a,d1,a1					**CPR Part No. G2501-041**				
Version	A/03	Date	2024-01-08	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua

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Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2018-11-23
A/03	Specification Version 3		Caihanglie	Nidonghua	Nidonghua	2024-01-08

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