

U/UTP 4Pairs cable-category6A-LSZH Sheath

P/N:LG2501-093

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference			White- Blue /Blue Separator White-Orange /Orange Polyester Tape Isolation Wrap White-Green /Green White-Brown /Brown Sheath Rip-cord				
Category	U/UTP-DF CAT6A-4P-LSZH(Dca-s2,d2,a1)								
Reference Standard	ISO/IEC11801、ANSI/TIA-568-C.2								
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							
Wrapping	Polyester Tape+Isolation Wrap				Technical Performance (100m) :				
Sheath	Thickness	0.55±0.05 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PSNEXT ≥dB
	External O.D.	7.3±0.4 mm			1	20.0	—	74.3	72.3
	Surface	Clean, Frap, Satiation			4.0	23.0	3.8	65.3	63.3
	Material	LSZH(complies RoHS)			8.0	24.5	5.3	60.8	58.8
	Color	TBD			10.0	25.0	5.9	59.3	57.3
					16.0	25.0	7.5	56.2	54.2
Surface Printing	Letter height	3.0±0.3mm			20.0	25.0	8.4	54.8	52.8
	Color	Black			25.0	24.3	9.4	53.3	51.3
	Print error & Space	≤±0.5%, 1m			31.25	23.6	10.5	51.9	49.9
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		62.5	21.5	15.0	47.4	45.4
	3 White-Green /Green		4 White- Brown /Brown		100	20.1	19.1	44.3	42.3
Packing	Drum				200	18.0	27.6	39.8	37.8
Carton dimension	According to the requires				250	17.3	31.1	38.3	36.3
Packing length	305±1.5m				300	16.8	34.3	37.1	35.1
Rip-cord	Yes	Drain wire	No		500	15.2	45.3	33.8	31.8
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥10.0		Frequency (MHz)	ELFEXT ≥dB	PSELFEXT ≥dB	PSANEXT ≥dB	PSAACRF ≥dB
	Elongation(%)		≥125		1	67.8	64.8	67.0	67.0
	Aging Period (℃×hrs)		100℃×24h×7d		4	55.8	52.8	67.0	66.2
	After Aging Tensile Strength(Mpa)		≥8.0		8	49.7	46.7	67.0	60.1
	Elongation(%)		≥100		10	47.8	44.8	67.0	58.2
Electrical Characteristics (20℃)	Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		16	43.7	40.7	67.0	54.1
	Impedance(Ω)	1.0-250.0MHz	100±15		20	41.8	38.8	67.0	52.2
		250.0-500.0MHz	100±22		25	39.8	36.8	67.0	50.2
	1.0-500.0MHz Delay Skew (ns/100m)		≤45		31.25	37.9	34.9	67.0	48.3
	DC Resistance (Ω/100m) max		9.38		62.5	31.9	28.9	65.6	42.3
DC Conductor Resistance Unbalance (%) max				5.0	100	27.8	24.8	62.5	38.2
Reaction to fire Classification: Dca,s2,d2,a1					ETL Part No. G2501-027				
Version	A/04	Date	2024-01-09	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2019-10-25
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2022-09-20
A/03	Specification Version 3		Caihanglie	Nidonghua	Nidonghua	2022-12-13
A/04	Specification Version 4		Caihanglie	Nidonghua	Nidonghua	2024-01-08