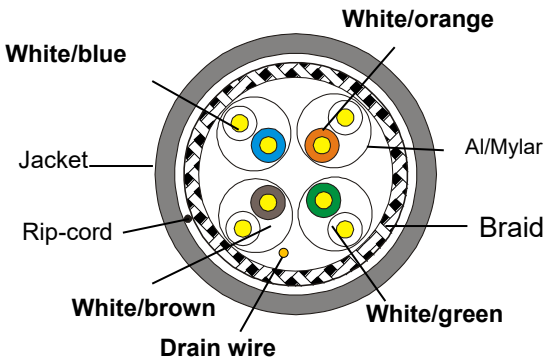
S/FTP 4Pairs cable-category 6A-LSZH Sheath

P/N: G2505-184

Content of the Data Sheet					
Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	SD S/FTP-CAT6A-4P-LSZH-AM40				
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.560	up	+0.005	
			down	-0.005	
Insulation	Material	Skin-foam-skin PE			
	Diameter	1.30±0.05 mm			
Inner Screening Material	Al/Mylar	Drain wire	Yes		
Outer Screening Material	Aluminum-magnesium alloy	Coverage	≥40%		
Sheath	Thickness	0.50±0.05 mm			
	External O.D.	7.2±0.5 mm			
	Surface	Clean			
	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	2 White/Orange			
	3 White/Green	4 White/Brown			
Packing	Drum				
Wooden Tray dimension	According to the requires				
Packing length	305±1.5m				
Rip-cord	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	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	67.8	64.8
4	63.3	55.8	52.8
8	48.8	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
300	35.1	18.3	15.3
500	31.8	13.8	10.8

Version	A/02	Date	2022-02-25	Revised By	Caihanglie	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	2018-12-26
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2022-02-25