

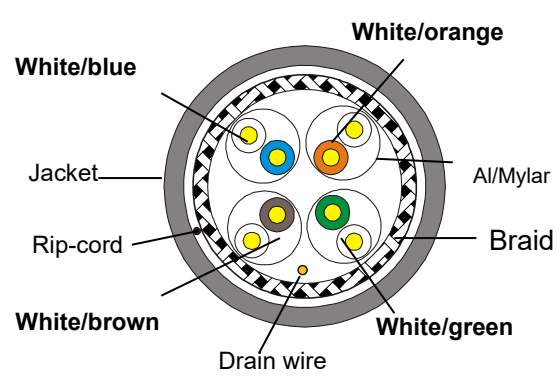


S/FTP 4Pairs cable-category 7A-LSZH Sheath

P/N: G2701-079

Content of the Data Sheet

Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	S/FTP-CAT7A-4P-LSZH-AM30(Cca-s1a,d1,a1)				
Reference Standard	ISO/IEC 61156-5;EN 50288-4				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.560	up	+0.005	down
Insulation	Material	Skin-foam-skin PE			
	Diameter	1.330±0.05 mm			
Inner Screening Material	Al/Mylar	Drain wire	TC 0.40mm		
Outer Screening Material	Aluminum-magnesium alloy	Coverage	≥30%		
Sheath	Thickness	0.55±0.05 mm			
	External O.D.	7.6±0.5 mm			
	Surface	Clean			
	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	2 White/Orange			
	3 White/Green	4 White/Brown			
Packing	Drum				
Wooden Tray dimension	According to the requires				
Packing length	305±1.0m				
Rip-cord	Yes				
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)	Impedance(Ω) :	(1-100MHz)	100±15Ω		
		(100-250MHz)	100±18Ω		
		(250-1000MHz)	100±25Ω		
	Delay Skew (ns/100m)	≤25			
	Velocity of Propagation (%)	78			
	unbalanced-to-ground capacitance (pf/100m) max	330			
	DC Resistance (Ω/100m) max	9.38			
	DC Conductor Resistance Unbalanc (%) max	2.0			



Technical Performance (100m) :				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1.0	20.0	—	78.0	570.0
4.0	23.0	3.74	78.0	552.0
8.0	24.5	5.24	78.0	546.7
10.0	25.0	5.86	78.0	545.4
16.0	25.0	7.41	78.0	543.0
20.0	25.0	8.29	78.0	542.0
25.0	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.6
150	18.9	23.56	69.8	536.9
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	17.3	34.19	65.2	536.1
600	17.3	50.10	60.7	535.5
700	14.2	54.63	59.7	535.4
1000	13.1	66.93	57.3	535.1

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	75.0	78.0	75.0
4	75.0	78.0	75.0
8	75.0	75.9	72.9
10	75.0	74.0	71.0
16	75.0	69.9	66.9
20	75.0	68.0	65.0
25	75.0	66.0	63.0
31.25	75.0	64.1	61.1
62.5	72.5	58.1	55.1
100	69.4	54.0	51.0
150	66.8	50.2	47.2
200	64.9	48.0	45.0
250	63.4	46.0	43.0
300	62.2	44.5	41.5
600	57.7	38.4	35.4
700	56.7	37.1	34.1
1000	54.4	34.0	31.0

<b>Reaction to fire Classification: Cca,s1a,d1,a1</b>				<b>CPR Part no. G2701-059</b>					
Version	A/01	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	2022-02-25