

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

CAB-07305-BLSFHQ
CAB-07500-BLSFHQ

Content of the Data Sheet

Sheath Printing	TBD								
Customer No.		Customer Reference							
Category	S/FTP-CAT7-4P-LSZH-AM30(Cca)								
Reference Standard	ISO/IEC 61156-5;EN 50288-4, ISO/IEC11801								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.570	up	+0.005					
			down	-0.005					
Insulation	Material	Skin-foam-skin PE							
	Diameter	1.330±0.05 mm							
Inner Screening Material	Al/Mylar	Drain wire	No						
Outer Screening Material	Aluminum-magnesium alloy 0.12mm	Coverage	≥30%						
Sheath	Thickness	0.55±0.1 mm							
	External O.D.	7.5±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	Wooden Tray								
Wooden Tray dimension	According to the requires								
Packing length	305±1.5m								
Rip-cord	Yes								
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0						
		Elongation (%)	≥100						
	Aging Period (°C×hrs)	100°C×24h×7d							
	After Aging	Tensile Strength (Mpa)	≥8.0						
		Elongation (%)	≥70						
	Cold bend (-20±2°C×4h)		15times cable O.D. No visible cracks						
	Electrical Characteristics (20°C)	Impedance(Ω) : (1-100MHz)		100±15Ω					
(100-250MHz)		100±18Ω							
(250-600MHz)		100±25Ω							
Delay Skew (ns/100m)		≤25							
Velocity of Propagation (%)		74							
unbalanced-to-ground capacitance (pf/100m) max		330							
DC Resistance (Ω/100m) max		9.38							
DC Conductor Resistance Unbalanc (%) max		2.0							
Reaction to fire Classification: Cca,s1,d1,a1									
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua

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

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

