




Technical Performance (100m.) :

Frequency (MHz)	RL ≥dB	ATT(20 °C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.0	78.0	570.0	1	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	4	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	8	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	10	75.0	74.0	71.0
16.0	25.0	7.41	78.0	543.0	16	75.0	69.9	66.9
20.0	25.0	8.29	78.0	542.0	20	75.0	68.0	65.0
25.0	24.3	9.29	78.0	541.2	25	75.0	66.0	63.0
31.25	23.6	10.41	78.0	540.4	31.25	75.0	64.1	61.1
62.5	21.5	14.88	75.5	538.6	62.5	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	100	69.4	54.0	51.0
150	18.9	23.56	69.8	536.9	150	66.8	50.2	47.2
200	18.0	27.47	67.9	536.5	200	64.9	48.0	45.0
250	17.3	30.97	66.4	536.3	250	63.4	46.0	43.0
300	16.8	34.19	65.2	536.1	300	62.2	44.5	41.5
600	14.7	50.10	60.7	535.5	600	57.7	38.4	35.4
1000	13.1	66.93	57.4	535.1	1000	54.4	34.0	31.0

Content of the Data Sheet

Category	S/FTP-CAT7a-4P-LSZH-TC40				
Test Standard	ISO/IEC 61156-5;EN 50288-4 ,YD/T1019				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D.(mm)	0.580		up +0.005 down -0.005	
Insulation	Material	Skin-foam-skin PE			
	Diameter	1.330 ± 0.05mm			
Inner Screening Material	Aluminum Foil	Drain wire		No	
Outer Screening	Tinned copper 0.10mm	Coverage		≥40%	
Sheath	Thickness	0.55 ± 0.05 mm (Avg.)			
	External O.D.	7.9 ± 0.5 mm			
	Surface	Clean			
	Material	LSZH / PVC			
Surface Printing	Color	According to the requires			
	Letter height	3.0 ± 0.3mm			
	Color	Black			
Core Color	Print error & Space	< ± 0.5%, 1m			
	1 White- Blue	2 White-Orange			
	3 White-Green	4 White- Brown			
Packing	Wooden Tray & Carton				
Wooden Tray Dimension	According to th requires				
Packing Length	305 ± 1.5m				
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.	
				Electrical Characteristics (20°C)	
					Delay Shew (ns/100m) ≤25
					Velocity of Propagation (%) 74
					Unbalanced to ground capacitance (pf/100m)max 330
				DC resistance (ohm/100m) max 9.5	
				DC Conductor resistance unbalance (%) max 2.0	

Art No

Product Description

FO-LC7a-SFTPP

S/FTP CAT7a PVC Cable

FO-LC7a-SFTPH

S/FTP CAT7a LSZH Cable

