

PRODUCT DATA SHEET

Sheath Printing	TBD							
Customer No.		Customer Reference						
Category	S/FTP-CAT6A-4P-LSZH-AM30(B2ca)							
Reference Standard	ISO/IEC11801, TIA-568-C.2							
Conductor	Material	SOLID-Bare Copper						
	Nom.O.D.(mm)	0.560	up	+0.005				
			down	-0.005				
Insulation	Material	Skin-foam-skin PE						
	Diameter	1.330±0.05 mm						
Inner Screening Material	Al/Mylar	Drain wire	No					
Outer Screening Material	Aluminum-magnesium alloy 0.12mm	Coverage	≥30%					
	Thickness	0.70±0.1 mm						
Sheath	External O.D.	7.8±0.5 mm						
	Surface	Clean						
	Material	FR-LSZH(complies RoHS)						
	Color	TBD						
	Letter height	3.0±0.3mm						
Surface Printing	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 (°C×hrs)	100°C×24h×7d						
	After Aging	Tensile Strength (Mpa)	≥8.0					
		Elongation (%)	≥100					
Cold bend (-20±2°C×4h)	8xCable O.D., No visible cracks							
Electrical Characteristics (20°C)	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						
Reaction to fire Classification: B2ca,s1,d1,a1								

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