

**Giga-Maxx Cat6A S/FTP Installation Cable 4 pair AWG23 LSZH**

Sheath Printing	Giga-Maxx CAT6A S/FTP INSTALLATION CABLE 4PAIR LSZH 23AWG EC VERIFIED ISO/IEC11801ED.2 ANSI/TIA-568-C.2			
Part No	GM-Cat6A S/FTP CABLE-LSZH-OR			
Test Standard	ISO/IEC 11801, IEC61156-5, EN50173, ANSI/TIA-568-C.2			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.560	up	+0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Inner Screening Material	Aluminum Foil	Drain wire	0.40 TC	
Outer Screening Material	AL Wire 0.10mm	Coverage	≥40%	
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.8±0.5 mm		
	Surface	Clean, Frap, Satiation		
	Material	LSZH IEC 60332-1-2, 60754-1/2		
	Color	Orange		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Orange RAL2003		
	Print error & Space	≤±0.5%, 1m		
Core Color	1 White/Blue	2 White/Orange		
	3 White/Green	4 White/Brown		
Packing	Wooden reel + pallet			
Smoke Density	IEC 61034-1/-2			
Packing length	305m/1000ft			
Rip-cord	Yes			
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	
		Elongation (%)	≥150	
	Aging Period (°C×hrs)	100°C×24h×7d		
	After Aging	Tensile Strength (Mpa)	≥12.5	
		Elongation (%)	≥125	
	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	
		(250-600MHz)	100±25Ω	
		Delay Shew (ns/100m)	≤25	
	Velocity of Propagation (%)	70		
	unbalanced-to-ground capacitance (pf/100m) max	330		
	DC Resistance (Ω/100m) max	9.5		
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	2.0	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