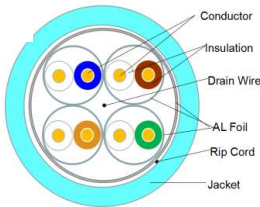


eLan CAT6A F/FTP- 10GBASE-T, 500 MHz 23 AWG SOLID BC, 4PR, F/FTP, ANSI/TIA 568-C.2, IEC 11801 CLASS Ea, UL CMR, EN50575:2014 Eca, LSZH JKT – 500 m



**Construction Characteristics:**

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
Insulation	Construction	1/0.57+/-0.005mm
	Material	Skin-foam-skin PE
	Min.Thickness	0.350mm
	AVG Thickness	0.360mm
	Diameter	1.33+/-0.05mm
	Colors	Light Blue/Blue Light Orange/Orange Light Green/Green Light Brown/Brown
	Pair screen	Every pair screen
Overall screen	Shield	Aluminum Foil
Drain wire	TC	1/0.40+/-0.005
Jacket	Material	LSZH
	Min.Thickness	0.54mm
	AVG Thickness	0.60mm
	Diameter	7.20+/-0.20mm
	Rip Cord	Nylon
Bend Radius	Color	Per request
		Min 20D/145mm

**Electrical & Physical Characteristics:**

Operating Temperature Range		- 20°C + 75°C
Voltage Rating		Max 300Volts
Conductor Resistance		Max 72.2ohm/km at 20°C
Dielectric Strength		Min AC1.5KV
Spark Test		5.0KV
Insulation	Unaged	Tensile Strength 16.5Mpa
		Elongation 500%
Aged	Tensile Strength	14.2Mpa(100°C 168h)
	Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strength 11.3 Mpa
		Elongation 100%
Aged	Tensile Strength	8.5Mpa(100°C 168h)
	Elongation	50%(100°C 168h)
DC Resistance Unbalance		Max 5%
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km
Characteristic Impedance		100+/-15OHM
Nominal Velocity of Propagation(%)		67-69
Propagation Delay		Max 536ns/100m
Delay Skew		Max 40ns/100m

Product Specifications

**Performance-1**

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		SKW	
	Standard	F/FTP	Standard	F/FTP	Standard	F/FTP	Standard	F/FTP
4	3.8	3.26	66.3	97.48	64.3	97	≤45	≤15
10	5.9	5.13	60.3	111.64	58.3	103.91		
16	7.5	6.56	57.2	112.19	55.2	96.87		
20	8.4	7.37	55.8	108.21	53.8	95.76		
31.25	10.5	9.33	52.9	97.37	50.9	93.8		
62.5	15	13.24	48.4	101.14	46.4	98.75		
100	19.1	16.8	45.3	99.9	43.3	90.47		
200	27.6	23.85	40.8	91.74	38.8	81.3		
250	31.1	26.78	39.3	89.96	37.3	82.51		
300	34.3	29.35	38.1	81.96	36.1	81.38		
400	40.1	33.95	36.3	83.87	34.3	77.2		
500	45.3	38.03	34.8	90.72	32.8	78.95		

## Performance-2

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		VOP %	
	Standard	F/FTP	Standard	F/FTP	Standard	F/FTP	Standard	F/FTP
4	23	33.08	61.3	112.41	59.3	99.85	68%	70%
10	25	34.8	53.3	107.63	51.3	97.21		
16	25	36.34	49.2	109.01	47.2	97.45		
20	25	30.31	47.3	93.91	45.3	96.51		
31.25	23.6	30.68	43.4	102.59	41.4	93.52		
62.5	21.5	30.21	37.4	97.9	35.4	90.2		
100	20.1	28.3	33.3	94.71	31.3	84.85		
200	18	32.76	27.3	96.93	25.3	77.75		
250	17.3	30.05	25.3	88.04	23.3	75.96		
300	17.3	30.52	23.8	76.48	21.8	76.15		
400	17.3	22.62	21.3	68.79	19.3	68.39		
500	17.3	25.38	19.3	67.91	17.3	60.27		

### Marking:

STRUCTURED CABLE PRODUCTS --- CAT6A FFTP --- ENHANCED 10GBASE-T 500MHZ F/FTP ANSII/TIA-568-C.2 ISO/IEC 11801\*\*\*M

### Packaging:

Approx. Weight	Approx. Dimension(mm)	Package	Packages per pallet
19.60kgs/43.2lbs	360X270X160	1000FT/305M Spool	27/36

