

25
YEAR
WARRANTY

CAT6A U/FTP LSZH CABLE

Technical information



Features:

- ◆ ETL verified performance to ANSI/TIA-568-C.2 & IEC/ISO 11801
- ◆ Available as 500m reel or 305m reel in a box
- ◆ Reverse metre marked
- ◆ Light Blue LSZH sheath
- ◆ 23 AWG solid copper conductors
- ◆ Ultima 25year System Warranty

Construction

Conductor Diameter (mm)	AWG	Insulation Diameter (mm)	Overall Sheath Diameter
0.56 +/- 0.02	23 AWG	1.25 +/- 0.06	6.8 +/- 0.3

Key Electrical Parameters

Nom. Mutual Capacitance nF/lm @ 1kHz	Max. Conductor Resistance Ω /km @ 20°C	Pair to Ground Capacitance Unbalance pF/100m	Max. Delay Skew ns/100m
≤5.6	95.0	≤1600	45

Performance

Frequency (MHz)	Insertion Loss (dB/100m)	Return Loss (dB min.)	NEXT (dB min.)	PS NEXT (dB min.)	ELFEXT (dB min.)	PS ELFEXT (dB min.)	PS ANEXT (dB min.)	PS AACRF (dB min.)
4	3.8	23.0	66.3	63.3	56.0	53.0	67.0	66.2
8	5.3	24.5	61.8	58.8	49.9	46.9	67.0	60.1
10	5.9	25.0	60.3	57.3	48.0	45.0	67.0	58.2
16	7.5	25.0	57.2	54.2	43.9	40.9	67.0	54.1
20	8.4	25.0	55.8	52.8	42.0	39.0	67.0	52.2
25	9.4	24.3	54.3	51.3	40.0	37.0	67.0	50.2
31.25	10.5	23.6	52.9	49.9	38.1	35.1	67.0	48.3
62.5	15.0	21.5	48.4	45.4	32.1	29.1	65.6	42.3
100	19.1	20.1	45.3	42.3	28.0	25.0	62.5	28.2
200	27.6	18.0	40.8	37.8	22.0	19.0	58.0	32.2
250	31.1	17.3	39.3	36.3	20.0	17.0	56.5	30.2
300	34.3	17.3	38.1	35.1	18.5	15.5	55.3	28.7
400	40.1	17.3	36.3	33.3	16.0	13.0	53.5	26.2
500	45.3	17.3	34.8	31.8	14.0	11.0	52.0	24.2



Part Number

Item	Description	Type	NVP	Sheath	CPR Euroclass	Length	Colour
800144	Cat6A Cable	U/FTP	74%	LSZH	D _{ca} -s2,d2,a1	305m RIB	Light Blue