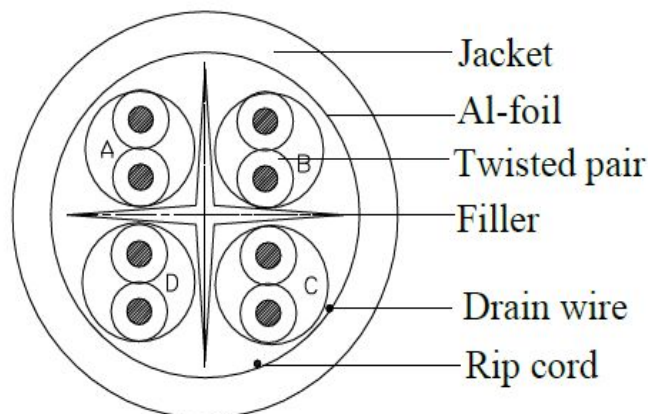




4Pairs Cat6A FTP Cable Specification

LOW SMOKE ZERO HALOGEN

Cross Section



Marking

Description

Rated Temperature (°C) 75

Application

Horizontal Wiring in LAN

Reference Standard

cETLus(UL Subject 444)

EIA/TIA568 & ISO/IEC 11801

Construction

Conductor Solid Bare Copper

AWG 23

Conductor Dia. (±0.005mmmm) **0.585**

Insulation PE

Average Thickness(mm) 0.218

Min. Point Thickness(mm) 0.200

Insulation Dia.(±0.01mm) **1.02**

Twisted Pair Dia.(±0.02mm) 2.04

Filler PE

PE-Tape(mm) Yes

Drain wire (CCA) Dia.(±0.005mm) 0.50

Al Foil Shield(mm) Yes

PE-Tape(mm) Yes

Assembly Dia.(±0.2mm) 6.2

Jacket LSZH

Average Thickness(mm) 0.60

Min. Point Thickness(mm) 0.55

Outer Dia.(±0.1mm) **7.40**

Rip Cord Nylon

Color

Insulation colors are:

Blue,White/Blue

Orange,White/Orange

Green,White/Green

Brown,White/Brown

Jacket colors:

Violet

Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
1	20	2	74.3
4	23	3.8	65.3
8	24.5	5.3	60.8
10	25	6	59.3
16	25	7.6	56.2
20	25	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18	29	39.8
250	17.3	32.8	38.3
300	16.8	34.3	37.1
400	15.9	40.1	35.3
550	15.2	45.3	33.8

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	PSELFEXT Min (dB/100m)	Delay Max (ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.8	52.8	552.0
8	58.8	49.7	46.7	546.7
10	57.3	47.8	44.8	545.4
16	54.2	43.7	40.7	543.0
20	52.8	41.8	38.8	542.0
25	51.3	39.8	36.8	541.2
31.25	49.9	37.9	34.9	540.4
62.5	45.4	31.9	28.9	538.6
100	42.3	27.8	24.8	537.6
200	37.8	21.8	18.8	536.5
250	36.3	19.8	16.8	536.3
300	25.2	14.2	11.2	536.1
400	23.3	11.7	8.7	535.8
550	21.2	8.9	5.9	535.5

1.0-100.0MHz Impedance (ohms)	100 ± 15
1.0-100.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	72.2
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object	Jacket
Test Material	LSZH
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack

305M

Wooden Spool