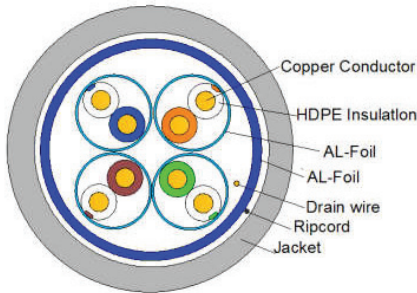


F/FTP CAT6A 23AWG LAN Cable



Applications :

- 100 Base-TX
- 100 Base-T
- 1000 Base-T(Gigabit Ethernet)
- 1000 Base-TX
- 10G Base-T
- 155Mbps ATM
- 622 Mbps ATM
- Data Center, VoIP, ISDN, PoE, IoT, CCTV

Standards :

- ANSI/TIA 568.2-D Cat6A
- ISO/IEC 11801:2017 Class Ea
- IEC61156-5
- UL444
- Flame test IEC60332-1

Operating temperature :

60 °C

Structures :

- Construction : F/FTP
- Conductor dimension : 23AWG (0.57±0.01mm)
- Conductor material : Solid copper
- 1st Shielded : AL-Foil
- 2nd Shielded : AL-Foil
- Minimum bending radius : 8 x outer diameter
- Pairs : Twisted, more than one twist every 15 cm

Insulations :

- Insulation material : FOAM PE & HDPE
- Insulation dimension : 1.38±0.05 mm

Sheaths :

- Outer jacket material : CM/CMR PVC, LSZH
- Outer jacket color : As customer request
- Ripcord : Yes

Performance Characteristic :

Frequency (Mhz)	Insert loss(dB)	NEXT (dB)	RL (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-F (dB)
1	3.0	65.0	19.1	64.2	62.0	61.2
4	3.5	64.1	21.0	52.1	61.8	49.1
8	5.0	59.4	21.0	46.1	57.0	43.1
10	5.5	57.8	21.0	44.2	55.5	41.2
16	7.0	54.6	20.0	40.1	52.2	37.1
20	7.8	53.1	19.5	38.2	50.7	35.2
25	8.8	51.5	19.0	36.2	49.1	33.2
31.25	9.8	50.0	18.5	34.3	47.5	31.3
62.5	14.0	45.1	16.0	28.3	42.7	25.3
100	18.0	41.8	14.0	24.2	39.3	21.2
200	26.1	36.9	11.0	18.2	34.3	15.2
250	29.5	35.3	10.0	16.2	32.7	13.2
350	35.6	31.8	8.6	13.3	29.1	10.3
500	43.8	26.7	8.0	10.2	23.8	7.2

Electrical Characteristics

- 1-500 MHz impedance 100±5Ω
- Max. delay skew ≤ 45/100m
- Max. conductor resistance 93.8Ω/km
- Max. conductor resistance unbalance 4%
- Min. insulation resistance 5000MΩ/km
- Nom. mutual capacitance < 56nF/Km
- Nominal velocity of propagation 77%

Mechanical Characteristics

- Outer jacket tensile strength ≥ 10Mpa
- Outer jacket elongation ≥ 125%
- Outer jacket aging condition 100 °C x 168 hrs.
- After aging, tensile strength ≥ 8Mpa
- After aging, elongation ≥ 100%
- Cold bend no crack (@-20 °C x 4 hrs.)
- Hot impact no crack (@150 °C x 4 hrs.)



Ordering Information :

P/N	Descriptions
AL-7135-BK*	F/FTP Cable CAT6A 23AWG Flame Retardant LSZH Black 305M "ALFA BASE"
AL-7135-AQ*	F/FTP Cable CAT6A 23AWG Flame Retardant LSZH Aqua 305M "ALFA BASE"
AL-7135-W*	F/FTP Cable CAT6A 23AWG Flame Retardant LSZH White 305M "ALFA BASE"

*Color Code; BK(Black), AQ(Aqua), W(White), R(Red), Y(Yellow), G(Green), GR(Gray)