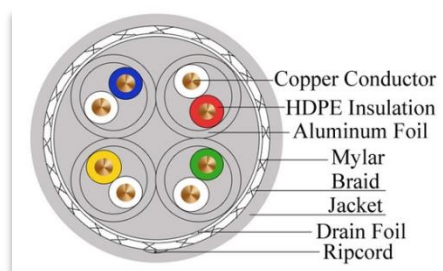


CAT 6A S/FTP 23 AWG LSZH

WIAN provide an array of Cat 6A S/FTP Cables with different conductor sizes, tailored to meet every Ethernet requirement. Our Cat 6A Cables boast compatibility with data rates of up to 10 Gbps, making them the prime selection for LAN/WAN Solutions. Each cable comprises 8 copper conductors, with 2 conductors intricately twisted to forge a pair. The amalgamation of 4 pairs, sheathed with FR grade material, ensures unparalleled performance and durability



- Cable Type : S/FTP
- Category : Cat6A
- No. of Pairs : 4

Physical Construction:

• Conductor Type	Solid Bare Electrolytic Grade Copper
• Conductor Size	23 AWG
• Insulation	Foam Polyolefin (Foam - Skin)
• Insulation Diameter	1.40 mm $\pm$ 0.2 mm
• Pairing	Twisted into two core
• Shielding	Individual Pair Covered with Foil Mylar Tape
• Braiding	ATC 35%
• Sheath Material	LSZH (Low Smoke Zero Halogen)
• Sheath Colour	Grey or As per requirement
• Cable Diameter	7.4 mm $\pm$ 0.5 mm
• Printing	Each meter printed with product details

Electrical Properties:

• Conductor Resistance (Ω /km)	93.8 (Max)
• Mutual Capacitance (nF/100 M)	5.6 (Max)
• Resistance Unbalance (%)	2 (Max)
• Worst Delay Skew (ns/100 M)	$\leq$ 25
• Characteristic Impedance (Ω)	100 $\pm$ 15

Mechanical Properties:

• Bending Radius	≤ 8 x Cable Diameter
• Installation Temperature	0 to +50 °C
• Operating Temperature	-20 to +75 °C

Pair Identification Colour Code:

Pair#1-2	White	Orange	Orange
Pair#3-6	White	Green	Green
Pair#4-5	White	Blue	Blue
Pair#7-8	White	Brown	Brown

High Frequency Electrical Properties:

Frequency	IL	NEXT	PSNEXT	ACRF	PSACRF	RL
(MHZ)	dB	dB	dB	dB	dB	dB
	Max	Min.	Min.	Min.	Min.	Min
1	2.3	65.0	62.0	63.3	60.3	19.0
4	4.2	63.0	60.5	51.2	48.2	19.0
8	5.8	58.2	55.6	45.2	42.2	19.0
10	6.5	56.6	54.0	43.3	40.3	19.0
16	8.2	53.2	50.6	39.2	36.2	18.0
20	9.2	51.6	49.0	37.2	34.2	17.5
25	10.2	50.0	47.3	35.3	32.3	17.0
31.25	11.5	48.4	45.7	33.4	30.4	16.5
62.5	16.4	43.4	40.6	27.3	24.3	14.0
100	20.9	39.9	37.1	23.3	20.3	12.0
200	30.1	34.8	31.9	17.2	14.2	9.0
250	33.9	33.1	30.2	15.3	12.3	8.0
300	37.4	31.7	28.8	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6.0
500	49.3	26.1	23.2	9.3	6.3	6.0

Ref Standard:

- ANSI/TIA-568.2-D
- ISO/IEC 11801 2ND Edition
- IEC 60332-1

Packing Standard:

Packing Style : Wooden Reel

Packing Length : 305 Meter

Approved by-
Technical Head