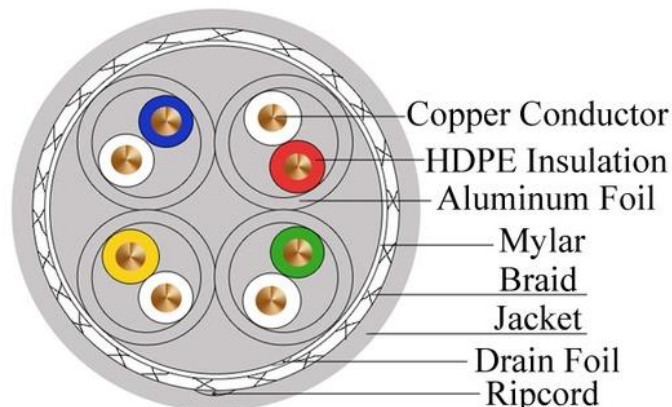


CAT 7 S/FTP 23 AWG CABLE

WIAN provide an array of Cat 7 S/FTP Cables with different conductor sizes, tailored to meet every Ethernet requirement. Our Cat 7 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 : Cat7
- No. of Pairs : 4



Physical Construction:

• Conductor Type	Solid Bare Electrolytic Grade Copper
• Conductor Size	23 AWG
• Insulation	Foam Polyolefin
• Insulation Diameter	1.40 mm $\pm$ 0.05 mm
• Pairing	Twisted into two core
• Shielding	Individual Pair Covered with Foil Mylar Tape
• Braiding	ATC 48/0.100 mm $\pm$ 0.02 mm
• Sheath	LSZH (Low Smoke Zero Halogen)
• Colour of Sheath	Purple
• Cable Diameter	7.8 mm $\pm$ 0.3 mm
• Printing	Each meter printed below details or As per customer details

WIAN Category 7 S/FTP 23 AWG as per ISO/IEC 11801 LSZH Cable XXX M.

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	≤ 10 x Cable Diameter
• Installation Temperature	0 to +50 °C
• Operating Temperature	-15 to +75 °C

Pair Identification Colour Code:

Pair#1-2	White	Orange
Pair#3-6	White	Green
Pair#4-5	White	Blue
Pair#7-8	White	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	4.0	65	62	65	62	19.0
16	8.0	65	62	57.5	54.5	18.0
100	20.8	62.9	59.9	44.4	41.4	12.0
250	33.8	56.9	53.9	37.8	34.8	8.0
500	49.3	52.4	49.4	32.6	29.6	8.0
600	54.6	51.2	48.2	31.3	28.3	8.0

Ref Standard:

- ISO/IEC 11801 2ND Edition
- RoHS Compliant

Packing Standard:

- Packing Style : Reel
- Packing Length : Available in 100 Meterb

Approved by-
Technical Head