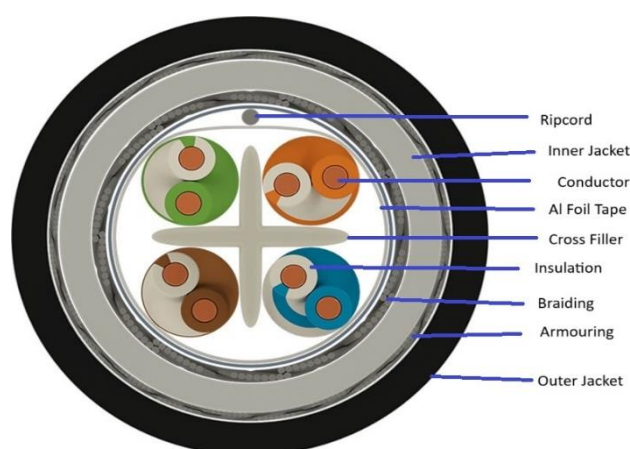


CAT 6A SF/UTP ATC BRAIDING AL ARMD CABLE

WIAN provide an array of Cat6A SF/UTP 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 : SF/UTP
- Category : Cat6A
- No. of Pairs : 4



Physical Construction:

• Conductor Type	Solid Bare Annealed Copper
• Conductor Size	24 AWG
• Insulation	Polyolefin
• Insulation Diameter	1.00 mm ± 0.05 mm (Thickness : 0.22 mm +/- 0.05 mm)
• Pairing	Twisted into two core
• Shielding - 1	Al Foil Mylar Tape (100 % Coverage)
• Shielding - 2	Annealed Tinned Copper Wire Braiding (35% Coverage)
• Inner Sheath	FR-PVC (Jacket Thickness 0.50 mm +/- 0.05 mm)
• Armoring	Aluminum Armoring 24 x 0.7 mm +/- 0.2 mm
• Outer Sheath	PE with UV Properties
• Color of Sheath	Black
• Cable Diameter	10.8 mm ± 0.5 mm (Jacket Thickness 0.60 mm +/- 0.05 mm)
• Printing	Product details with Meter Marking

Electrical Properties:

• Conductor Resistance (Ω/km)	93.8 (Max)
• Mutual Capacitance (nF/100 M)	5.6 (Max)
• Resistance Unbalance (%)	5 (Max)

Mechanical Properties:

• Bending Radius	≤ 8 x Cable Diameter
• Installation Temperature	0 to +50 °C
• Operating Temperature	-15 to +75 °C
• Pulling Force	100 N

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
- IEC 61156-5

Packing Standard:

- Packing Style : Wooden Reel
- Packing Length : Available in 305 meter length