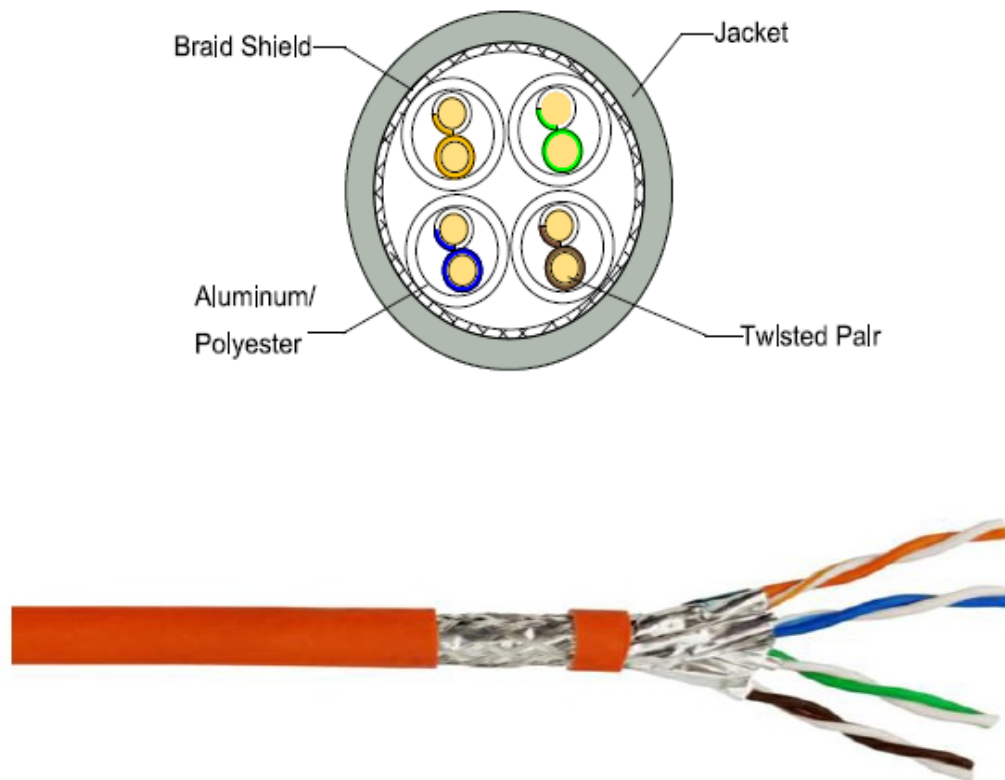


CAT6A S/FTP 23AWG 4PAIR PVC



Standards

- ANSI/TIA-568-C.2 IEC 61156-5
- EN 50288-10-1
- EN 50173
- ISO/IEC 11801
- EN 50575

Applications

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps TOKEN RING (IEEE 802.5)
- 100BASE-VG-AnyLAN
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)
- 1.2 Gbps ATM
- 10G BASE-T

Color codes

- Insulation Color:
 - P1: White & Blue / Blue
 - P2: White & Orange / Orange
 - P3: White & Green / Green
 - P4: White & Brown / Brown
- Jacket Color: Optional

Cable Printing

- Customized

Packaging

1. Reel/ 305m
2. Reel/ 500m

Test Requirements

- Pass fluke 90m permanent link test
- TIA-568-C.2

Cable Parameters

Conductor Material		99.99% Solid Bare Copper
Conductor Number		8C(4 pairs)
Cable AWG		23
Construction(± 0.01 mm)		1/0.57
Drain Wire (1/0.40)		Solid Tinned copper
Shield Overlap		aluminum/polyester $\geq 25\%$
Braid Shield 16/6/0.12 Coverage		Aluminum Magnesium Alloy wire $\geq 40\%$
Insulation	Material	SKIN-FOAM- SKIN
	Nom. Thickness(mm)	0.37
	Diameter(± 0.08 mm)	1.38
Jacket	Material	PVC
	Nom. Thickness(mm)	0.50
	Diameter(± 0.30 mm)	7.50

Electrical Performance

Max. Conductor DC Resistance (Ω /km)		93
Min. Insulation Resistance (Ω M-KM)		500
Dielectric Strength		DC-1KV/1 Min
1.0-250MHZ Characteristic Impedance(ohms)		100 Ω $\pm$ 15 Ω
1.0-250MHZ Delay Skew(ns/100m)		≤ 45
Pair to Ground Capacitance Unbalance(Pf/100m)		≤ 330
Resistance Unbalance(%)		≤ 4
Max Mutual Capacitance		5.6nF/10
Max DC Loop Resistance		19.2 Ω /100m
Before Aging	Tensile Strength(Mpa)	≥ 13.5
	Elongation(%)	≥ 100
After Aging 100°C*24h*7d	Tensile Strength(Mpa)	≥ 75
	Elongation(%)	≥ 50
Velocity of Propagation NVP		78%

TIA-568-C.2

Freq.	ATTN	RL	NEXT	ELFEXT	PS	NEXT
(MHz)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)
4	3.8	23.0	66.3	56.0	63.3	53.0
8	5.3	24.5	61.8	49.9	58.8	46.0
10	5.9	25.0	60.3	48.0	57.3	45.0
16	7.5	25.0	57.2	43.9	54.2	40.9
20	8.4	25.0	55.8	42.0	52.8	39.0
25	9.4	24.3	54.3	40.0	51.3	37.0
31.25	10.5	23.6	52.9	38.1	49.9	35.1
62.5	15.0	21.5	48.4	32.1	45.4	29.1
100	19.1	20.1	45.3	28.0	42.3	25.0
200	27.6	18.0	40.8	22.0	37.8	19.0
250	31.1	17.3	39.3	20.0	36.3	17.0
300	34.1	17.3	38.1	18.5	35.1	15.5
500	45.3	17.3	34.8	14.0	31.8	11.0

For More Information:

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