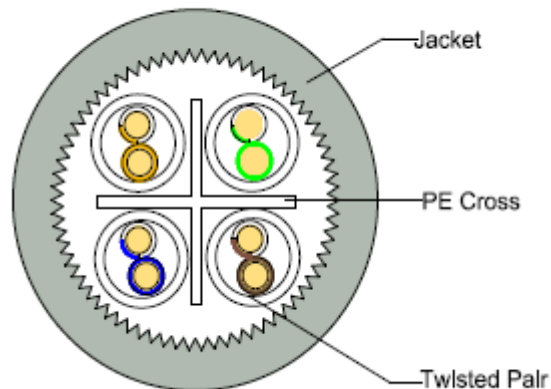


CAT6A UTP 23AWG 4PAIR LSZH



Standards

- ANSI/TIA-568-C.2 IEC 61156-5
- EN 50288-11-1
- 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 Requirments

- 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
Separator		PE CROSS
Rip Cord		NO
Insulation	Material	PE
	Nom. Thickness(mm)	0.22
	Diameter(± 0.08 mm)	1.02
Jacket	Material	LSZH
	Nom. Thickness(mm)	0.60
	Diameter(± 0.30 mm)	7.30

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)		\leq 45
Pair to Ground Capacitance Unbalance(Pf/100m)		\leq 330
Resistance Unbalance(%)		\leq 4
Max Mutual Capacitance		5.6nF/10
Max DC Loop Resistance		19.2 Ω /100m
Before Aging	Tensile Strength(Mpa)	\geq 13.5
	Elongation(%)	\geq 100
After Aging 100°C*24h*7d	Tensile Strength(Mpa)	\geq 75
	Elongation(%)	\geq 50
Velocity of Propagation NVP		69%

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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