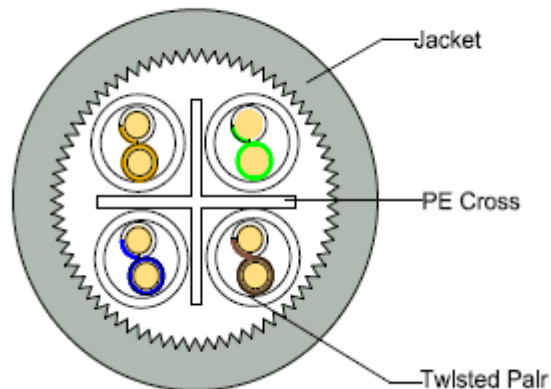


## CAT6A UTP 23AWG 4PAIR PVC



### 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( $\pm 0.01$ mm)		1/0.57
Separator		PE CROSS
Rip Cord		NO
Insulation	Material	PE
	Nom. Thickness(mm)	0.22
	Diameter( $\pm 0.08$ mm)	1.02
Jacket	Material	PVC
	Nom. Thickness(mm)	0.60
	Diameter( $\pm 0.30$ mm)	7.30

**Electrical Performance**

Max. Conductor DC Resistance ( $\Omega$ /km)		93
Min. Insulation Resistance ( $\Omega$ M-KM)		500
Dielectric Strength		DC-1KV/1 Min
1.0-250MHZ Characteristic Impedance(ohms)		100 $\Omega$ $\pm$ 15 $\Omega$
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 $\Omega$ /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**

<b>Freq.</b> <b>(MHz)</b>	<b>ATTN</b> <b>(dB/100m)</b>	<b>RL</b> <b>(dB)</b>	<b>NEXT</b> <b>(dB)</b>	<b>ELFEXT</b> <b>(dB/100m)</b>	<b>PS</b> <b>(dB/100m)</b>	<b>NEXT</b> <b>(dB/100m)</b>
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:**Email: [sales@telex.cn](mailto:sales@telex.cn)[www.telex.cn](http://www.telex.cn)