



## Category 6A F/UTP 23AWG LSZH Cable

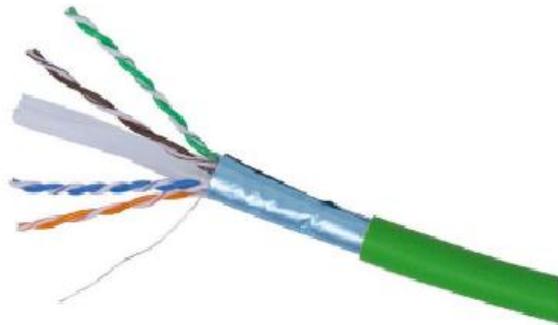
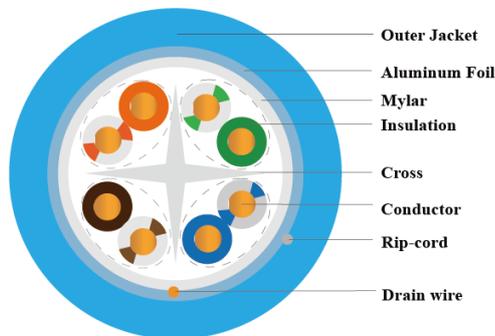
### Features

- Complies with Category6A, ANSI/TIA/EIA 568.2-D & ISO/IEC 11801 Standard.
- Supports transmission of digital and analogue voice, data and video signal.
- Products adopts shielding Aluminum Foil+ Mylar , able to reach a very good shielding effect.
- The cable Pass Fluke Test.
- Products adopt LSZH Jacket
- Rated Temperature: -20° to +70°

### Applications

● ATM 155Mbps	● Ethernet 10 BASE-T,100BASE-TX,100BASE-VG,100BASE-T4
● 100Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)	● Fast Ethernet (IEEE 802.3u)
● 100vg-AnyLAN (IEEE 802.12) 100M bps CDDI	● Token Ring (IEEE 802.5)
● TP-PMD (ANSI X3T9.5)	● 10G BASE-T

### Construction



Conductor:	23AWG (0.56±0.01mm) CCAG
Insulation:	High density polyethylene (HDPE)
Insulation Diameter:	1.10±0.05mm
Cross	Transparent plastic
Shielded	Aluminum Foil & Mylar
Drain wire	0.4mm CCA
Rip-cord:	Nylon
Jacket:	Low smoking zero halogen (LSZH)
Colors:	Green or other colors
Outer Diameter:	7.2±0.3mm
Insulation colors:	Pair 1 : Blue, White/Blue



Pair 2 : Orange, White/Orange

Pair 3 : Green, White/Green

Pair 4 : Brown, White/Brown

## Mechanical Characteristics

Temperature Rating:	Installation 0°C to+ 60°C
	Operating -20°C to+ 75°C
Tension Strength:	Insulation $\geq 16.0$ Mpa
	Jacket $\geq 10.0$ Mpa
Elongation:	Insulation $\geq 300\%$
	Jacket $\geq 125\%$
Breaking Strength:	$\geq 400$ N(ASTM D4565 standards)
Bending Radius:	8 times diameter

## Electrical Characteristics

Maximum DC Resistance Unbalanced@20°C:	Inside the Pairs: $\leq 2\%$
Between Pairs to pairs:	$\leq 4\%$
Max.Pair-to-Pair Ground Capacitance	$\leq 160$ pF/100Meters
Unbalance:	
Dielectric strength Between conductors :	2.5kv(DC. 2s) & 1.7kv(AC. 2s)
Insulation resistance:	$\geq 5000$ M $\Omega$
Characteristic Impedance(1~500Mhz):	$100 \pm 15$ $\Omega$
Mutual Capacitance:	5.6nF/100Meters

## Attenuation Characteristics

Electrical Characteristics						
Frequency	Return Loss	Attenuation(Insertion loss )	NEXT	PS NEXT	ELFEXT(ACR-F)	PS ELFEXT(PS ACR-F)
MHz	dB	dB/100	dB	dB	dB	dB
4	23.0	3.8	66.3	63.3	56.0	53.0
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25.0	5.9	60.3	57.3	48.0	45.0



16	25.0	7.5	57.2	54.2	43.9	40.9
20	25.0	8.4	55.8	52.8	42.0	39.0
25	24.3	9.4	54.3	51.3	40.0	37.0
31.25	23.6	10.5	52.9	49.9	38.1	35.1
62.5	21.5	15.0	48.4	45.4	32.1	29.1
100	20.1	19.1	45.3	42.3	28.0	25.0
200	18.0	27.6	40.8	37.8	22.0	19.0
250	17.3	31.1	39.3	36.3	20.0	17.0
300	17.3	34.3	38.1	35.1	18.5	15.5
400	17.3	40.1	36.3	33.3	16.0	13.0
500	17.3	45.3	34.8	32.8	14.0	11.0

## Marking

GIGATRON FTP CAT6A LSZH 4PR 23AWG 0.56mm | TESTED TO TIA/EIA- 568-C.2 | PASS FLUKE 100m | RoHS COMPLIANT | GT6AFLZ500D-GR | MADE IN CHINA | GIGATRON 001M-500M

## Packing

- 500m per drum
- Drum Size: 43\*43\*26cm    Weight: 20.5 kg

