GIGATRON
GIGABIT POWER. MEGALEVEL TRUST
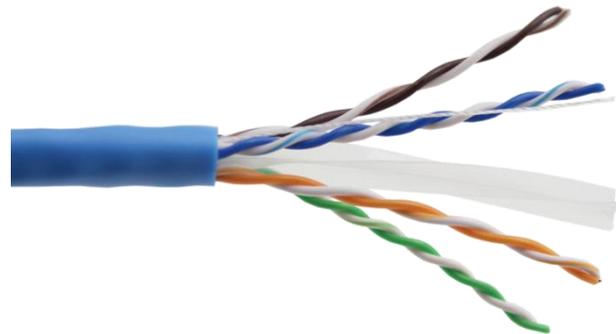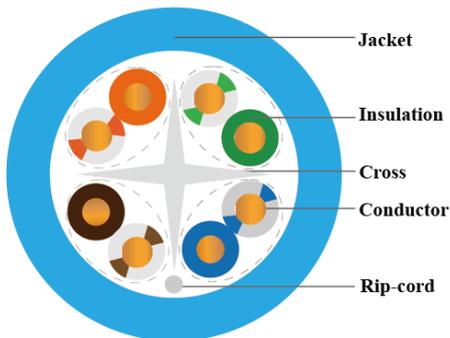
GigaTron Category 6 UTP 23AWG LSZH Cable

Features

● Complies with Category 6,ANSI/TIA/EIA 568.2-D & ISO/IEC 11801 Standard.
● Supports transmission of digital and analogue voice, data and video signal.
● 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)	● Token Ring (IEEE 802.5)
● TP-PMD (ANSI X3T9.5)	● 100M bps CDDI

Construction

Conductor:	23AWG(0.56±0.01mm) CCAG
Insulation:	High density polyethylene(HDPE)
Insulation Diameter:	1.00±0.05mm
Cross	Transparent plastic
Rip-cord:	Nylon
Jacket:	Low Smoking Zero Halogen(LSZH)
Colors:	Blue or other colors
Outer Diameter:	6.0±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℃ to+ 60℃
	Operating -20℃ to+ 75℃
Tension Strength:	Insulation ≥16.0Mpa
	Jacket ≥10.0Mpa
Elongation:	Insulation ≥300%
	Jacket ≥125%
Breaking Strength:	≥400N(ASTM D4565 standards)
Bending Radius:	4 times diameter

Electrical Characteristics

Maximum DC Resistance Unbalanced@20℃:	Inside the Pairs： ≤2%
Between Pairs to pairs:	≤4%
Max.Pair-to-Pair Ground Capacitance Unbalance:	≤160pF/100Meters
Dielectric strength Between conductors :	2.5kv(DC.2s) & 1.7kv(AC.2s)
Insulation resistance:	≥5000MΩ
Characteristic Impedance(1~250Mhz)：	100±15Ω
Mutual Capacitance:	5.6nF/100Meters

Attenuation Characteristics

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR-F	PS-ACR
MHz	dB	dB/100	dB	dB	dB	dB	dB	dB
4	23.6	3.8	68.3	66.3	58.7	55.7	64.0	62.0
8	25.4	5.3	63.8	61.8	52.7	49.7	57.7	55.7
10	26.0	5.9	62.3	60.3	50.8	47.8	55.6	53.6
16	26.0	7.4	59.3	57.3	46.7	43.7	50.7	48.7
20	26.0	8.3	57.8	55.8	44.7	41.7	48.2	16.2
25	25.5	9.3	56.3	54.3	42.8	39.8	45.6	13.6
31.25	25.0	10.4	54.9	52.9	40.9	37.9	42.8	40.8

62.5	23.5	14.9	50.4	48.4	34.8	31.8	32.9	30.9
100	22.5	19.0	47.3	45.3	30.8	27.8	24.9	22.9
155	21.6	23.9	45.8	43.5	27.0	23.6	21.0	21.5
200	21.0	27.4	42.8	40.8	24.7	21.7	18.4	16.4
250	20.5	30.8	41.3	39.3	22.8	19.8	13.5	11.5

Marking

GIGATRON U/UTP CAT6 LSZH 4PR 23AWG 0.56mm | TESTED TO TIA/EIA- 568-C.2 | PASS FLUKE 100m | RoHS COMPLIANT | GT6ULZ305R-BL |MADE IN CHINA | 001M–305M

Packing

● 305m per roll
● OEM pull box size： 38*38*24cm Weight： 10kg
● 2 rolls per carton
● Carton size: 50*40*40cm Gross weight: 20kg