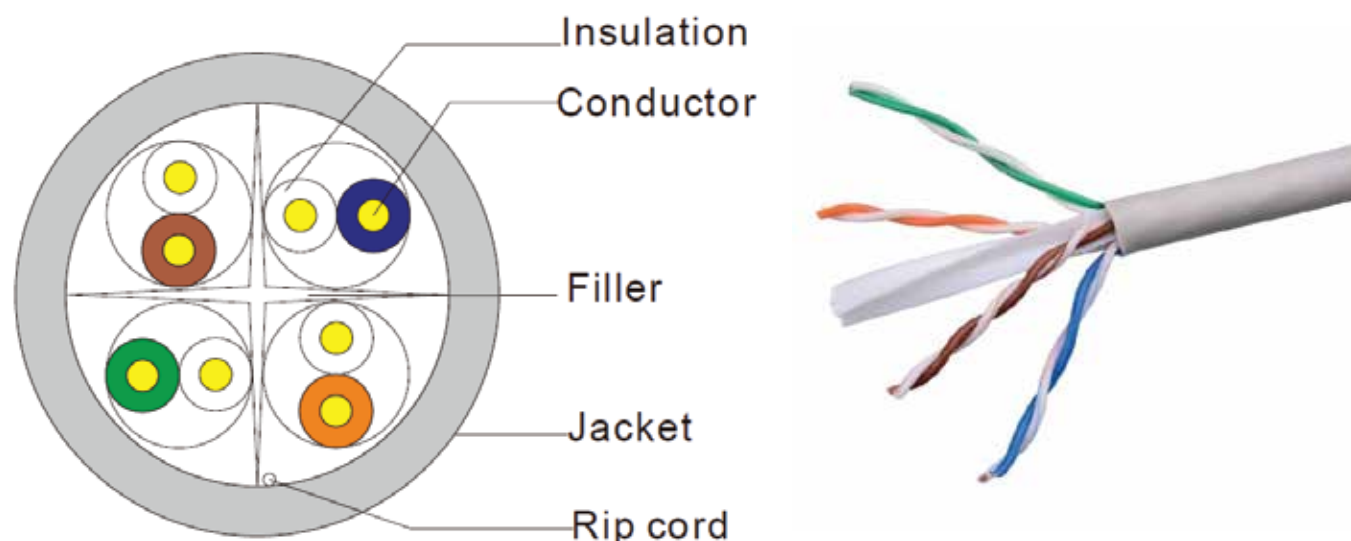


CAT6 U/UTP 23AWG LSZH Cable

(TN5011C623LSZH)



Product Description

TEXA Network's Category 6 U/UTP cables are manufactured and tested to the ANSI/TIA/EIA 568.2-D, EN50173-1 and ISO/ IEC 11801 Category 6 specifications. TEXA Network's Category 6 U/UTP cable is designed for optimal support of High-Speed data protocols delivering 1 Gbps performance to the workstation. Each cable consists of 8 colour coded 23AWG polyethylene insulated conductors. Each conductors are twisted together to form 4 pairs with varying lengths. These pairs are then put around a central 'X' shaped polyethylene filler/Separator which helps in maintaining and enhancing the cable performance. TEXA Network's CAT6 cable is designed for quick and easy installation where no special tools are required.

Features & Benefits

- Performance exceeding Category 6 specifications of 250MHz
- Performance compliance to ISO/IEC 11801 and ANSI/TIA-568.2-D
- Third Party Delta EC verified
- AWG 23, Solid Bare Annealed Copper
- Low Smoke Zero Halogen
- Fire rated to IEC 60332-1
- 25 Years System Warranty

Standards Complied and Verified for Category 6 Cable – Flammability, Halogen acidity & Smoke Performance

- IEC 60332-1 – [1,2]:2004
- IEC 60754-[1,2]
- IEC 61034-[1,2]

Standards Complied and Verified for Category 6 Cable Performance

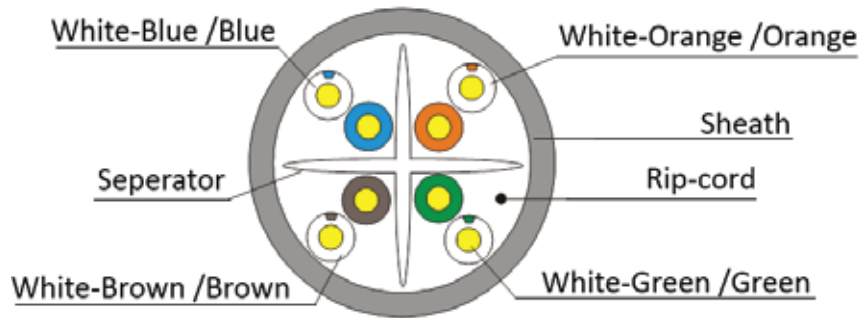
- ISO/IEC 11801:2017
- ANSI/TIA-568.2-D:2018
- IEC 61156-5:2009 + AMD1:2012 CSV Consolidated version
- BS EN 50173-1:2018
- EN 50288-6-1:2013

Supporting Applications

- 10G BASE-T (Length <50m)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-T (IEEE 802.3)
- 100BASE-VG-AnyLAN
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 10BASE-T (IEEE 802.3)
- 1.2 Gbps ATM
- 55/155 Mbps ATM
- 4/16 Mbps TOKEN RING (IEEE 802.5)

Specification

Overall Diameter (mm)	6.1 ± 0.2
Sheath Thickness (mm)	0.55 ± 0.05
Sheath Surface	Clean, Frap, Satiation
Insulation Material	HDPE
Insulation Overall diameter (mm)	0.98 ± 0.03
Conductor Diameter (mm)	0.555 (±0.01)
Conductor Material	Solid Bare Copper
Impedance (Ω) @ 1 -250 MHz	100 ± 15 Ω
Delay Skew (ns/100m) @ 1 -250 MHz	≤ 45
Max. DC Resistance (Ω/100m)	9.38
Max. DC Conductor Resistance Unbalance (%)	5.0
Nominal Velocity of Propagation (NVP)	69%
Rip cord	Yes
Drain Wire	No
Max. Pulling Force (N)	110
Min. Bend Radius during Installation	4xD (Overall diameter)
Min. Bend Radius after Installed	4xD (Overall diameter)
Installation Temperature Range	0°C to +60°C
Operating Temperature Range	-20°C to +70°C
Packing Length (Meters)	305 ± 1.5
305m Reel Weight	Nom. 13.5 Kg (Cable + spool)
Box Dimensions	210mm wide x 410mm high x 410mm deep



Technical Performance

Freq. (MHz)	RL (Min. dB)	ATTN (Max. dB/100m)	NEXT (Min. dB)	PSNEXT (Min. dB)	ELFEXT (ACR-F) (Min. dB/100m)	PSELFEXT (PSACR - F) (Min. dB/100m)	Phase Delay (Max. ns)
1	19.1	1.9	65.0	62.0	64.2	61.2	570.00
4.0	21.0	3.5	64.1	61.8	52.1	49.1	552.00
8.0	21.0	5.0	59.4	57.0	46.1	43.1	547.00
10.0	21.0	5.5	57.8	55.5	44.2	41.2	545.00
16.0	20.0	7.0	54.6	52.2	40.1	37.1	543.00
20.0	19.5	7.9	53.1	50.7	38.2	35.2	542.00
25.0	19.0	8.9	51.5	49.1	36.2	33.2	541.00
31.25	18.5	10.0	50.0	47.5	34.3	31.3	540.00
62.5	16.0	14.4	45.1	42.7	28.3	25.3	539.00
100	14.0	18.6	41.8	39.3	24.2	21.2	538.00
200	11.0	27.4	36.9	34.3	18.2	15.2	537.00
250	10.0	31.1	35.3	32.7	16.2	13.2	536.00

Part Number

(TN5011C623LSZH)

Horizontal Cable, CAT6, U/UTP, 305m, LSZH Sheath, 23AWG, Grey