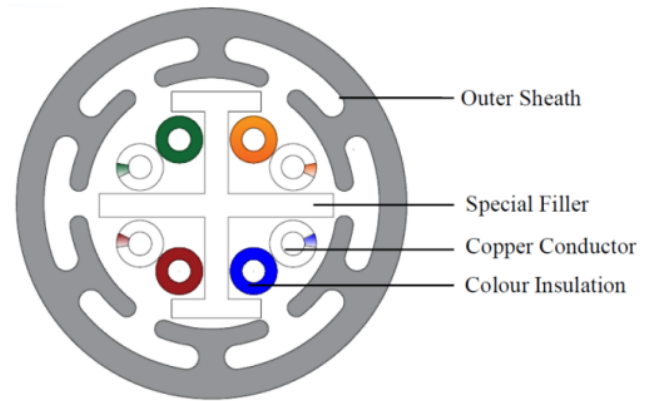
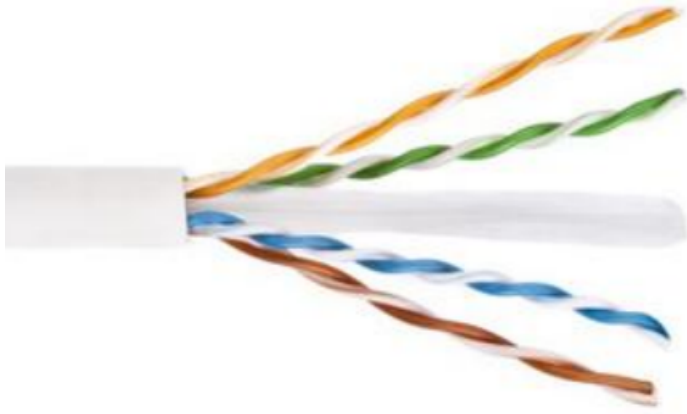


CAT6A U/UTP 23AWG LSZH CABLE

TN5005C6A23LSZH



Product Description

TEXA NETWORK's Category 6A U/UTP cables are manufactured and tested to the TIA/EIA568.2-D, EN50173-1 and ISO/IEC 11801-1 Category 6A specifications. TEXA NETWORK's Category 6A U/UTP cable is designed for optimal support of High-Speed data protocols delivering 10 Gbps performance to the workstation. Each cable consists of 8 colour coded 23AWG polyolefin Foam-Skin insulated conductors. Each conductors are twisted together to form 4 pairs with varying lengths. TEXA NETWORK's CAT6A cable is designed for quick and easy installation where no special tools are required. CAT6A cable is supplied in 305m or 500m Drums.

Features & Benefits

- Enhanced Performance meeting Category 6A specifications up to 500 MHz
- Performance compliance to ISO/IEC 11801-1 and ANSI/TIA-568.2-D
- AWG 23, Solid Bare Annealed Copper
- Special Filler & Jacket
- Low Smoke Zero Halogen
- Fire rated to IEC 60332-1
- 25 Years System Warranty

Standards Complied and Verified for Category 6 Cable Performance

- ISO/IEC 11801-1:2017
- ANSI/TIA-568.2-D:2018
- IEC 61156-5:2012 (Ed.2.1)
- EN 50173-1:2011;
- EN 50173-2:2007 including amendment A1:2010
- EN 50288-10-1:2012

Specification

Overall Diameter (mm)	7.8 ± 0.2mm	DC Conductor Resistance Unbalance(%)	Max 5.0
Sheath Surface	Clean, Frap, Satiation	Nominal Velocity of Propagation (NVP)	65%
Sheath Material	LSZH (complies RoHS)	Rip cord	No
Insulation Material	HDPE	Drain Wire	No
Conductor Diameter (mm)	0.57 (± 0.001)	Max.Pulling Force (N)	100
Conductor Material	Annealed Solid Bare Copper	Min. Bend Radius during Installation	8xD (Overall diameter)
Mean Input Impedance (Ω) @ 1-500 MHz	100 ±15 Ω	Min. Bend Radius after Installed	4xD (Overall diameter)
Delay Skew (ns/100m) @ 1-500 MHz	Max 45	Installation Temperature Range	+0°C to +50°C
Max. DC Resistance (Ω/100m) @ 20°C	9.38	Operating Temperature Range	-20°C to +60°C
		Packing Length (Meters)	305m or 500m

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	67.8	64.8	570.0
4.0	21.0	3.5	64.1	61.8	55.8	52.8	552.0
10.0	21.0	5.5	57.8	55.5	47.8	44.8	545.4
16.0	20.0	7.0	54.6	52.2	43.7	40.7	543.0
20.0	19.5	7.8	53.1	50.7	41.8	38.8	542.1
31.25	18.5	9.8	50.0	47.5	37.9	34.9	540.4
62.5	16.0	14.0	45.1	42.7	31.9	28.9	538.6
100	14.0	18.0	41.8	39.3	27.8	24.8	537.6
200	11.0	26.1	36.9	34.3	21.8	18.8	536.5
250	10.0	29.5	35.3	32.7	19.8	16.8	536.3
300	9.2	32.7	34.0	31.4	18.3	15.3	536.1
500	8.0	43.8	26.7	23.8	13.8	10.8	535.6

Part Number

(TN5005C6A23LSZH) Horizontal Cable, CAT 6A, U/UTP, 500m, LSZH Sheath, AWG 23, Grey