



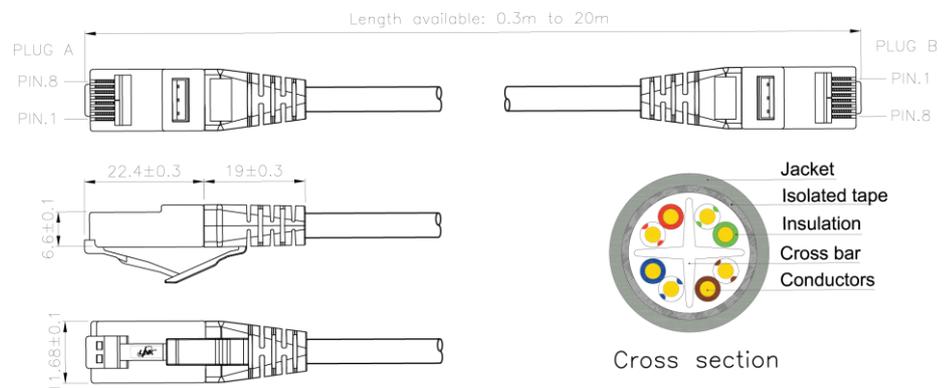
US-6405LZ-X
 US-6410LZ-X
 US-6420LZ-X
 US-6430LZ-X
 US-6440LZ-X
 US-6510LZ-X
 US-6515LZ-X
 US-6520LZ-X



Scope of Applications

CAT 6A UTP SUPER-S Series (Smart, Small, Save) patch cord, 28AWG, LSZH compliant ISO/IEC 11801 Class EA and ANSI/TIA-568.2-E requirements for category 6A performance. The both end of the cable shall have high-performance RJ45 Crystal plug with strain relief transparent boot, excellent mechanical properties exceed IEC 60603-7, FCC Part 68 Subpart F specification. The conductor made from stranded bare copper 28 AWG. Available length in 0.3, 0.5, 1, 2, 3, 5, 10, 15 and 20 meters. The patch cord shall be factory assembled with high quality control and 100% test. Environment-friends, in according with RoHS and REACH compliance. The outer jacket material made from LSZH compound to reduces the amount toxic smoke and corrosive has emitted during burned, for users' safety.

Drawing



Technical Standards

- ANSI/TIA-568.2-E Category 6A
- ANSI/TIA-568.2-D Category 6A
- ANSI/TIA-568-C.2 Category 6A
- ISO/IEC 11801:2017 class EA
- EN 50173-1 Category 6A
- EN 50288-11-1
- IEC 61156-6
- IEC 60332-1
- IEC 61034-1, IEC61034-2
- IEC 60754-1, IEC 60754-2
- IEC 60603-7, FCC Part 68 Subpart F
- UL 1863
- RoHS Compliant



Cable Construction

Conductor	Material	Stranded bare Copper
	No. of Conductor	4 Pairs (8 wires)
	Diameter	28 AWG
Insulation	Material	HDPE
Cable structure		U/UTP
Insulated Conductor Color Code	Pair 1	White-Blue / Blue
	Pair 2	White / Orange
	Pair 3	White / Green
	Pair 4	White / Brown
Filler Slot (Cross Filler)	Material	PE
Wrapping		Protection Barrier Tape
Jacket	Material	Lead free, FR-LSZH
	Cable Diameter	4.60±0.20 mm
	Color	Aqua Blue or White
Flame Rating		LSZH (Low Smoke Zero Halogen)
Strain relief boot	Material	Transparent high Impact Polycarbonate, UL94V-2
Plug Housing	Material	transparent polycarbonate with LINK logo, UL94V-0
Pin Contact	Material	Phosphor Bronze, 50 µ-inch of gold plating

Electrical Characteristic

Insulated Resistance	500 Mega ohms minimum
Dielectric Withstanding	1000 VDC
Contact Resistance	20 Milli ohms maximum

Physical Properties

Pulling Force	50 N (11.24 lbs) minimum	
Durability	2500 cycle	
Minimum Bending Radius	8 X Cable Diameter	
Wiring Pattern	T568B	
Temperature	Installation/Operation	-20°C to 75°C
	Storage	-20°C to 80°C



Applications

- 2.5G/5G BASE-T (IEEE 802.3bz)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet)
- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 1000 BASE-TX (TIA/EIA-854)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3i Ethernet)
- 52/155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (Type4)
- TP-PMD, TPDDI, ISDN, CDDI, VoIP
- EtherCAT Industrial standard, HDBaseT 2.0 standard
- Baseband, Broadband
- Digital and analog for data, video and audio application

Order Information

Part number	Description	Color	Package
US-6405LZ-1	CAT 6A UTP Super-S, 28AWG, 0.5 m, LSZH	White	Bag
US-6410LZ-1	CAT 6A UTP Super-S, 28AWG, 1 m, LSZH	White	Bag
US-6420LZ-1	CAT 6A UTP Super-S, 28AWG, 2 m, LSZH	White	Bag
US-6430LZ-1	CAT 6A UTP Super-S, 28AWG, 3 m, LSZH	White	Bag
US-6440LZ-1	CAT 6A UTP Super-S, 28AWG, 5 m, LSZH	White	Bag
US-6510LZ-1	CAT 6A UTP Super-S, 28AWG, 10 m, LSZH	White	Bag
US-6515LZ-1	CAT 6A UTP Super-S, 28AWG, 15 m, LSZH	White	Bag
US-6520LZ-1	CAT 6A UTP Super-S, 28AWG, 20 m, LSZH	White	Bag
US-6405LZ-9	CAT 6A UTP Super-S, 28AWG, 0.5 m, LSZH	Aqua Blue	Bag
US-6410LZ-9	CAT 6A UTP Super-S, 28AWG, 1 m, LSZH	Aqua Blue	Bag
US-6420LZ-9	CAT 6A UTP Super-S, 28AWG, 2 m, LSZH	Aqua Blue	Bag
US-6430LZ-9	CAT 6A UTP Super-S, 28AWG, 3 m, LSZH	Aqua Blue	Bag
US-6440LZ-9	CAT 6A UTP Super-S, 28AWG, 5 m, LSZH	Aqua Blue	Bag
US-6510LZ-9	CAT 6A UTP Super-S, 28AWG, 10 m, LSZH	Aqua Blue	Bag
US-6515LZ-9	CAT 6A UTP Super-S, 28AWG, 15 m, LSZH	Aqua Blue	Bag
US-6520LZ-9	CAT 6A UTP Super-S, 28AWG, 20 m, LSZH	Aqua Blue	Bag

*Available other color and length on request

Specifications subject to change without notice.

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