



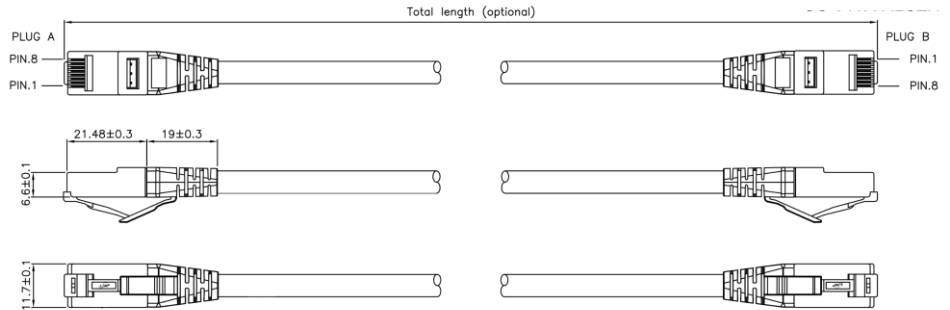
- US-5101LZ-X
- US-5102LZ-X
- US-5103LZ-X
- US-5105LZ-X
- US-5110LZ-X
- US-5115LZ-X
- US-5120LZ-X
- US-5125LZ-4
- US-5130LZ-4



Scope of Application

LINK Category 6 U/UTP patch cord, LSZH compliant ISO/IEC 11801 Class E and ANSI/TIA-568.2-D requirements for category 6 performance. The both end of the cable shall have RJ45 modular plug with strain relief transparent boot exceed IEC 60603-7, FCC Part 68 Subpart F specification and have 50 micro-inches of gold plating over nickel. RJ45 Modular plug designed robust construction to prevent snagging or tangling. The conductor made from stranded bare copper 24 AWG. Available length in 1, 2, 3, 5, and 10 meters or other. The patch cord shall be factory assembled with high quality control and 100% test. 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 Standard

- ANSI/TIA-568.2-D Category 6
- ANSI/TIA-568-C.2 Category 6
- ISO/IEC 11801:2017 class E
- EN 50173-1 Category 6
- EN 50288-6-2
- IEC 61156-6, IEC 60332-1
- IEC 61034-1, IEC 61034-2
- IEC 60754-1, IEC 60754-2
- IEC 60603-7, FCC Part 68 Subpart F
- UL1863
- UL and ETL Verified to Category 6
- RoHS Compliant





Construction and Properties

Conductor	Material	Stranded bare Copper
	No. of Conductor	4 Pairs (8 wires)
	Diameter	24 AWG
Insulation	Material	High Density Polyethylene (HDPE)
	Diameter	0.98 ±0.05 mm
Color code	Pair 1	White-Blue / Blue
	Pair 2	White-Orange / Orange
	Pair 3	White-Green / Green
	Pair 4	White-Brown / Brown
Filler Slot (Cross Filler)	Material	FRPE
Jacket	Material	Lead free, FR-LSZH
	Cable Diameter	5.90 ±0.2 mm
Flame Rating	Flame Rating	LSZH
Boot	Material	Clear PVC, Slim model
Plug Housing	Material	Clear polycarbonate with LINK logo, UL 94V-0
Pin Contact	Material	Phosphor Bronze with 50 micro-inch gold plating over 50 micro-inch nickel plating on contact area.

Electrical Characteristics

Impedance	100 ± 15 Ohms, 1 MHz to 600 MHz
Capacitance	13.5 pf/ft at 1MHz
Dielectric Strength	2.5kV/min
Voltage Rating	150V AC/DC

Physical Properties

Pulling Force	50 N (11.24 lbs) minimum	
Durability	2500 cycle	
Minimum Bending Radius	4 x Cable Diameter	
Wiring Pattern	T568B	
Temperature	Storage	-20°C to 70°C
	Operation	-20°C to 65°C



Application

- 2.5G/5G BASE-T (IEEE 802.3bz)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet) *55m
- 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-5101LZ-X	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 1 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5102LZ-X	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 2 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5103LZ-X	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 3 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5105LZ-X	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 5 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5110LZ-X	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 10 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5115LZ-X	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 15 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5120LZ-X	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 20 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5125LZ-4	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 25 m	Blue	Pack
US-5130LZ-4	CAT 6 RJ45-RJ45 Patch Cord, LSZH, 30 m	Blue	Pack

*Available other color and length on request

Specifications subject to change without notice.

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