



US-5101LZ-X

US-5102LZ-X

US-5103LZ-X

US-5105LZ-X

US-5110LZ-X

US-5115LZ-X

US-5120LZ-X

US-5125LZ-4

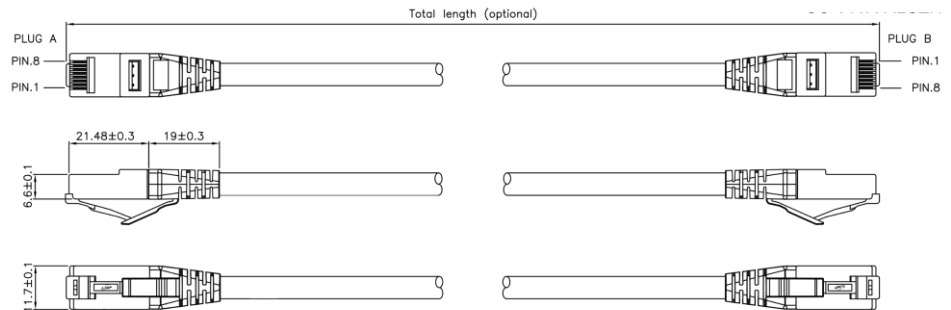
US-5130LZ-4



### 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

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

## Electrical Characteristics

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

## Physical Properties

<b>Pulling Force</b>	50 N (11.24 lbs) minimum	
<b>Durability</b>	2500 cycle	
<b>Minimum Bending Radius</b>	4 x Cable Diameter	
<b>Wiring Pattern</b>	T568B	
<b>Temperature</b>	<b>Storage</b>	-20°C to 70°C
	<b>Operation</b>	-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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US-51XXLZ-X-V1.0-181223