



- US-5003LZ-X
- US-5006LZ-X
- US-5010LZ-X
- US-5015LZ-X
- US-5020LZ-X
- US-5025LZ-X
- US-5030LZ-X

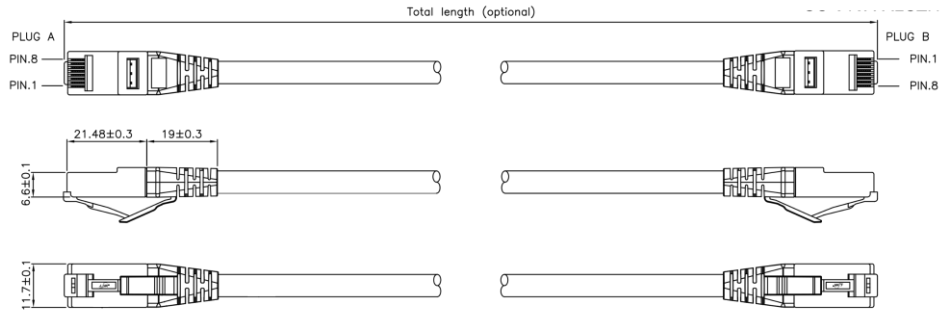
LINK AMERICAN STANDARD



Scope of Application

LINK Category 5E U/UTP patch cord, LSZH compliant ISO/IEC 11801 Class D and ANSI/TIA-568.2-D requirements for category 5E performance. Both end of the cable shall have RJ45 modular plug with transparent boot exceed IEC 60603-7, FCC Part 68 Subpart F specification and have 50 micro-inches of gold plating over nickel. 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 5E
- ANSI/TIA-568-C.2 Category 5E
- ISO/IEC 11801:2017 class D
- EN 50173-1 Category 5E
- EN 50288-3-2
- IEC 61156-6, IEC 60332-1
- IEC 61034-1, IEC 61034-2
- IEC 60754-1, IEC 60754-2
- IEC 60603-7, FCC Part 8 Subpart F
- 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
Jacket	Material	Lead free, FR-LSZH
	Cable Diameter	5.40 ±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 plated

Electrical Characteristics

Impedance	100 ±15 Ohms, 1 MHz to 350 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	800 cycles	
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 BASE-T (IEEE 802.3bz)
- 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+)
- 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-5003LZ-X	CAT 5E RJ45-RJ45 PATCH CORD, LSZH, 1 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5006LZ-X	CAT 5E RJ45-RJ45 PATCH CORD, LSZH, 2 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5010LZ-X	CAT 5E RJ45-RJ45 PATCH CORD, LSZH, 3 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5015LZ-X	CAT 5E RJ45-RJ45 PATCH CORD, LSZH, 5 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5020LZ-X	CAT 5E RJ45-RJ45 PATCH CORD, LSZH, 10 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5025LZ-X	CAT 5E RJ45-RJ45 PATCH CORD, LSZH, 15 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack
US-5030LZ-X	CAT 5E RJ45-RJ45 PATCH CORD, LSZH, 20 m	X=1: White, 2: Red, 3: Green, 4: Blue, 5: Yellow	Pack

*Available other color and length on request

Specifications subject to change without notice.

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