



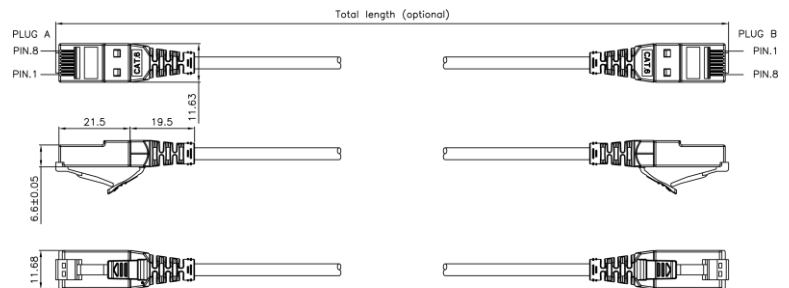
US-5136SS-X
US-5139SS-X
US-5140SS-X
US-5141SS-X
US-5142SS-X
US-5143SS-X
US-5145SS-X
US-5150SS-X



Scope of Application

The LINK Category 6 U/UTP Small O.D patch cord is LSZH-compliant and meets ISO/IEC 11801 Class E and ANSI/TIA-568.2-E standards for Category 6 performance. Each end of the cable features an RJ45 modular plug with a transparent strain relief boot that exceeds IEC 60603-7 and FCC Part 68 Subpart F specifications. The RJ45 modular plug is robustly constructed to prevent snagging and tangling. The conductor is made from 28 AWG stranded bare copper and is available in lengths of 0.15, 0.3, 0.5, 1, 2, 3, 5, and 10 meters. Each patch cord is factory-assembled with strict quality control and undergoes 100% testing. The outer jacket, made from an LSZH (Low Smoke Zero Halogen) compound, minimizes toxic smoke and corrosive gas emissions during combustion, enhancing user safety.

Drawing



Technical Standard

- ANSI/TIA-568.2-E Category 6
- 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
- RoHS Compliant



Construction and Properties

Conductor	Material	Stranded bare Copper
	No. of Conductor	4 Pairs (8 wires)
	Diameter	28 AWG
Insulation	Material	High-Density Polyethylene (HDPE)
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	3.8 ±0.2 mm
Flame Rating	Flame Rating	LSZH
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 the contact area.
Boot	Material	Clear PVC, Slim model

Electrical Characteristics

Impedance	100 ± 15 Ohms, 1 MHz to 250 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)
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)
- 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-5136SS-X	CAT 6 Small O.D Patch Cord 0.15 M.	X=4: Light Blue, 6: Black	Pack
US-5139SS-X	CAT 6 Small O.D Patch Cord 0.3 M.	X=4: Light Blue, 6: Black	Pack
US-5140SS-X	CAT 6 Small O.D Patch Cord 0.5 M.	X=4: Light Blue, 6: Black	Pack
US-5141SS-X	CAT 6 Small O.D Patch Cord 1 M.	X=4: Light Blue, 6: Black	Pack
US-5142SS-X	CAT 6 Small O.D Patch Cord 2 M.	X=4: Light Blue, 6: Black	Pack
US-5143SS-X	CAT 6 Small O.D Patch Cord 3 M.	X=4: Light Blue, 6: Black	Pack
US-5145SS-X	CAT 6 Small O.D Patch Cord 5 M.	X=4: Light Blue, 6: Black	Pack
US-5150SS-X	CAT 6 Small O.D Patch Cord 10 M.	X=4: Light Blue, 6: Black	Pack

*Available other colors on request

Specifications subject to change without notice.

© 2023 LINK CORP. ALL RIGHTS RESERVED

www.linkcable.com

US-51XXSS-X-V1.3-260625