



US-1026A

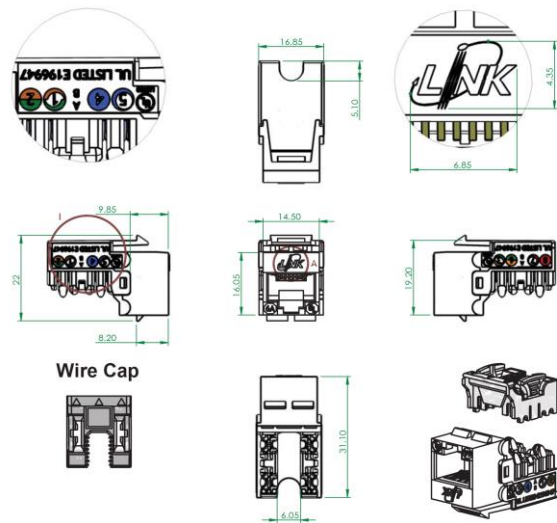


CAT 6A UTP SUPER-S RJ45 JACK, FREE DIRECTION

Scope of Application

CAT6A RJ45 modular jack has showed the embossed LINK logo on the front. The jack compliant ISO/IEC 11801:2017 Class EA and ANSI/TIA-568.2-E requirements for category 6A performance. Impedance matching technique for improving Return Loss and compensation methodology to counteract Near End Crosstalk & Far End Crosstalk. Free direction allows free cable-routing direction at limited depth. Small form factor (Slim type) design with transparent wire cap increases visual inspection of terminate wires. The Jacks accept 24-22 AWG solid & stranded conductor and combine two wiring of T568A/B (Universal color pattern) for easy installation. The RJ45 modular jack shall be factory assembled with high quality control and 100% test.

Drawing



Technical Standard

- ANSI/TIA-568.2-E Category 6A
- ANSI/TIA-568.2-D Category 6A
- ISO/IEC 11801:2017 class EA
- EN 50173-1 Category 6A
- UL 1863
- IEC 60603-7, IEC 60512-27-100
- RoHS Compliant
- Approvals UL listed no. E196947



Construction and Properties

Jack Contact	Material	Phosphor bronze with 50 µ-inch gold plating
IDC Contact	Material	Phosphor bronze Tin over nickel plating
Jack Housing	Material	ABS, UL 94V-0
IDC Block	Material	High-Impact Polycarbonate, UL 94 V-0
Wire Cap	Material	ABS, UL 94 V-0

Electrical Characteristics

Insulated Resistance	500 Mega ohms minimum
Dielectric Withstanding	≤1000 V
Current Rating	≤1.5 Amps
DC Resistance	≤0.2 Ohm maximum
Contact Resistance	20 Milli ohms maximum.

Physical Properties

Pulling Force		120 N minimum
Jack contact	Durability	1000 mating cycles
	Force	100 grams minimum
IDC contact	Durability	200 re-termination cycles
Accommodate	Wire Gauge	24-22 AWG solid and stranded bare copper
	Insulation Diameter	0.8mm-1.2mm.
	Cable Diameter	5mm-9mm.
Termination Style		110 IDC
Wiring Pattern		T568A/T568B (universal color pattern)
Cable Entry		90°, 180° And 270°
Temperature	Storage	-40°C to 80°C
	Operation	-20°C to 80°C

Application

- 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-1026A	CAT 6A UTP SUPER-S RJ45 JACK, FREE DIRECTION	White	Pack

Specifications subject to change without notice.

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US-1026A-V1.1-270625