



US-1071S

LINK AMERICAN CABLING

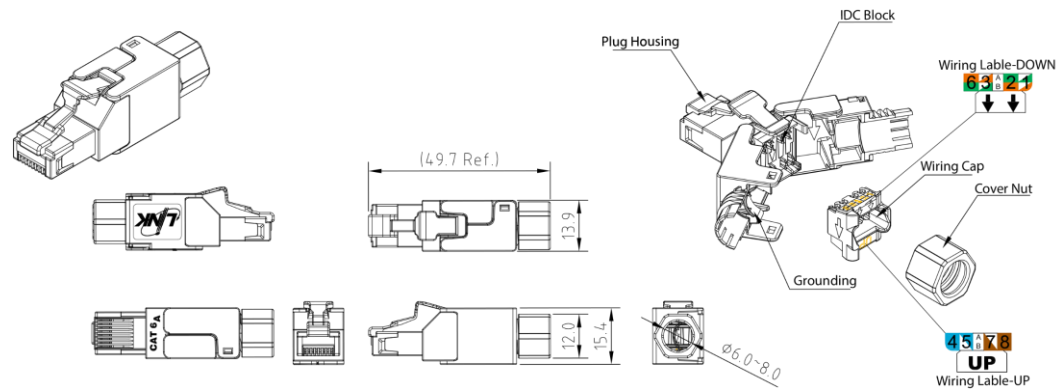


Shielded CAT 6A RJ45 Modular PLUG, Field Terminate , Tool free

Scope of Application

The modular plug compliant ISO/IEC 11801:2017 Class EA and ANSI/TIA-568.2-E requirements for category 6A performance. LINK Shielded CAT6A RJ45 modular plug showed the embossed LINK logo on the side. LINK offer plugs in standard configurations to terminate modular cord for patching or MPTL. Simplified termination due to a unique process. Include copper foil tape in package.

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



Construction and Properties

PIN Contact	Material	Phosphor Bronze alloy plated with 50 micro-inches of gold
IDC Contact	Material	Phosphor bronze with 150 micro inch tin plated
IDC Block	Material	High Impact Polycarbonate, UL 94 V-0
Plug Housing	Material	High Impact Polycarbonate, UL 94V-0, Gray
Housing	Material	Zinc-alloy fully shielded
Wiring Cap	Material	High Impact Polycarbonate, UL 94V-0, Gray
Cover Nut	Material	High Impact Polycarbonate, UL 94 V-0, Gray
Tape	Material	Copper Foil: 35 mm x 20 mm (L x W)

Electrical Characteristics

Insulation Resistance	500 Mega ohms minimum
Dielectric Withstanding	≤1000 V
Current Rating	≤1.5 Amps
DC Resistance	≤0.1 Ohm maximum
Contact Resistance	20 Milli ohms maximum.

Physical Properties

Plug contact	Durability	2500 mating cycles
	Force	100 grams minimum
IDC contact	Durability	200 re-termination cycles
Accommodate	Wire Gauge	26-23 AWG solid and stranded bare copper
	Cable Diameter	6 mm - 8 mm
Termination Style		110 IDC, Tool Free
Wiring Pattern		T568A/T568B (universal color pattern)
Temperature	Storage	-40°C to 80°C
	Operation	-20°C to 80°C



PERFORMANCE CHARACTERISTIC (meet or exceed ANSI/TIA-568.2-E Category 6A)

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	FEXT (dB)	Return Loss (dB)
1	0.01	86.5	80.9	53.5
4	0.01	83.2	72.9	53.8
8	0.01	78.5	69.0	52.1
10	0.01	76.9	67.5	50.8
16	0.01	74.4	63.7	47.2
20	0.01	72.6	61.9	45.3
25	0.01	70.6	60.1	43.2
31.25	0.02	68.8	58.2	41.2
62.5	0.03	62.7	52.5	34.9
100	0.04	58.4	48.4	30.9
155	0.07	54.1	44.6	27.0
200	0.08	51.3	42.4	24.7
250	0.12	48.6	40.5	22.5
300	0.15	46.6	39.0	20.7
350	0.20	45.0	37.7	19.1
400	0.25	43.8	36.6	17.8
450	0.31	41.3	34.6	16.5
500	0.37	39.0	32.6	15.5

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-1071S	Shielded, Category 6A, RJ45 Modular Plug	Metallic/Gray	Pack

Specifications subject to change without notice.

© 2023 LINK CORP. ALL RIGHTS RESERVED

www.linkcable.com

US-1071S-V1.1-270625