

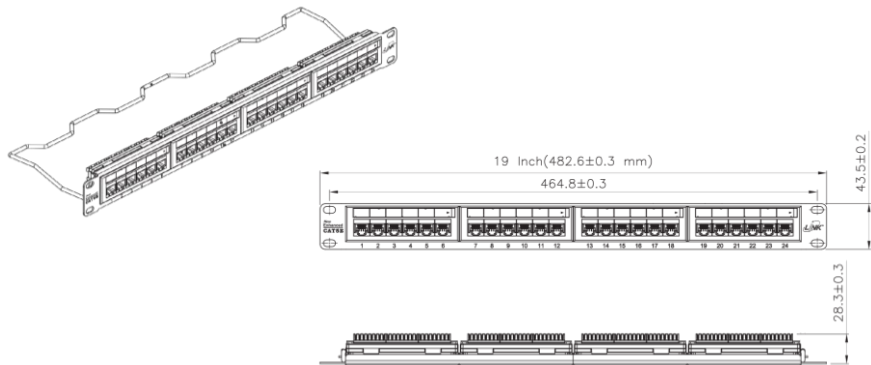


US-3024

### Scope of Application

LINK Category 5e patch panel compliant ISO/IEC 11801 and ANSI/TIA-568.2-D requirements for category 5e performance. The panel is Aluminum light weight with black anodize and showed the LINK logo on the front. The patch panel are utilized a printed circuit board (PCB) technology to balanced signal transmission of insertion loss and crosstalk from 1 to 100MHz. Design new version of Label with transparent cover. Knock down support bar can be separated from panel. Support dual 110 IDC and 45°KRONE termination block with durable. The patch panel supplies with support bar and cable tie in colorful box (nut and screw included).

### Drawing



LINK Logo



Label



Color Code

### 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
- UL 1863
- IEC 60603-7, FCC Part 68 Subpart F
- UL and ETL Verified to Category 5e
- RoHS Compliant
- Approvals UL listed file no. E196947.
- Intertek Certification no. 3159185CRT



## Construction and Properties

<b>Jack Contact</b>	<b>Material</b>	Phosphor bronze with 50-60 micro inch nickel plated and 50 micro inches of gold over nickel plated in contact area
<b>IDC Contact</b>	<b>Material</b>	Phosphor Bronze with over 100 micro inch tin plated
<b>Jack Module</b>	<b>Material</b>	ABS High-Impact, UL 94 V-0
<b>IDC Block</b>	<b>Material</b>	Polycarbonate High-Impact, UL 94 V-0
<b>Panel</b>	<b>Material</b>	Aluminum lightweight with black anodize
	<b>Thickness</b>	1.5 mm.
<b>Support Bar</b>	<b>Material</b>	SPCC steel lightweight
	<b>Diameter</b>	4.0 mm.
<b>Label</b>	<b>Material</b>	White paper inserts within a clear plastic cover
<b>Mounting</b>	<b>Width</b>	19-inch Standard Rack (EIA 310D)
	<b>Height</b>	1.75 inch (1U) for 24 ports

## Electrical Characteristics

<b>Insulation Resistance</b>	500 megaohms minimum
<b>Dielectric Withstanding</b>	1000 V AC
<b>Current Rating</b>	1.5 Amps
<b>DC Resistance</b>	0.1-ohm maximum
<b>Contact Resistance</b>	20 milliohms maximum

## Physical Properties

<b>Pulling Force</b>	89 N (20 lbs.) minimum	
<b>Jack contact</b>	<b>Durability</b>	800 mating cycles
	<b>Force</b>	100 grams minimum
<b>IDC contact</b>	<b>Durability</b>	200 re-termination cycles
<b>Accommodate</b>	<b>Wire Gauge</b>	26-22 AWG solid and stranded bare copper
	<b>Insulation Diameter</b>	0.80mm – 1.20mm
	<b>Cable Diameter</b>	5 mm - 9 mm
<b>Termination Style</b>	Dual 110 IDC and KRONE	
<b>Wiring Pattern</b>	T568A/T568B (universal color pattern)	
<b>Temperature</b>	<b>Storage</b>	-40°C to 80°C
	<b>Operation</b>	-40°C to 80°C



## PERFORMANCE CHARACTERISTIC (meet or exceed ANSI/TIA-568.2-D Category 5e)

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	FEXT (dB)	Return Loss (dB)
1	0.01	87.5	86.8	58.9
4	0.02	76.8	76.3	50.3
8	0.02	70.9	70.7	45.7
10	0.03	69.3	69.1	44.1
16	0.03	65.0	65.5	40.5
20	0.06	63.2	63.5	38.8
25	0.06	61.3	61.7	37.1
31.25	0.04	59.1	60.2	35.2
62.5	0.06	52.8	54.9	29.7
100	0.08	47.6	51.2	26.2

## 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	Port	Package
US-3024	Category 5e, Patch Panel w/Support bar	24	Box

Specifications subject to change without notice.

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