

Category 6A UTP 180 Degree Keystone Jack

Category 6A Unshielded 180 Degree Modular Jacks

The Infinique 10G+ Category 6A UTP Keystone Jack is a superior product and forms an important component of the Infinique 10G+ Cabling Solution. It offers best network performance when used in conjunction with Infinique Category 6A UTP products. Its rear shield protects IDC terminations and maintains shield effectiveness. The Keystone Jacks are color coded for both 568A and 568B standards.

Infinique's 10G+ Category 6A UTP Keystone Jacks meet and exceed industry performance standards of TIA/EIA-568-B.2-10, IEC 60603-7-5, ISO/IEC 11801 Class EA 2nd Edition and EN50173 2nd Edition. They are backwards compatible with Category 3, Category 5e and Category 6 system.

Features and Benefits

- Certification**
 ETL Verified for performance as per ANSI/TIA-568-C.2 Category 6A and ISO/IEC 11801 Class EA Standards
- Reliable Performance**
 110 IDC Color Coded Terminations with Universal Color coding for T568A and T568B Wiring schemes, Accepts 22- 26 AWG conductors, 750 mating cycles
- Superior Design**
 Aesthetic and Slim Profile with Dust Covers with Bend limiting strain relief, UL-94 v0 high impact flame retardant Plastic compound, RoHS
- Performance Warranty**
 Qualifies for the Infinique's 25 Years System Performance Link Warranty

CONSTRUCTION



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ELECTRICAL SPECIFICATIONS

Current Rating	1.5 Amps
Dielectric Strength	1,000V RMS at 60Hz/minute
Insulation Resistance	500M Ω minimum
Contact Resistance	20m Ω
Termination Resistance	2.5 m-ohm
Maximum DC Resistance	0.1 Ω
Transmission Performance	TIA/EIA-568-C 10 Channel and Link Performance

MATERIAL SPECIFICATIONS

RJ45 8-Pin Connector	FCC part 68, subpart F and IEC-60603-7, EN 28877 Compliant
Wiring Diagram	T568A and T568B
Jack Material	Polyphenylene Oxide UL 94V-0
Durability	750 Mating Cycles
Connector	IDC Connector (insulation Displacement Contact)
Admissible Wire Diameter	Terminates 22~26 AWG (0.64~0.41 mm)
Admissible Insulation Diameter	0.70~1.40 mm
IDC Material	Phosphor Bronze with 50 μ " Gold over 100 μ " Nickel Undercoat
IDC 110 Contacts	200 terminations
Connector Material	Phosphorous Bronze with 150 μ " Tin-Lead over 50 μ " Nickel undercoat
Contact Strength	100G
Operating Temperature	-20°C to +60°C with 95% Humidity
Storage Temperature	-20°C to +75°C
Installation Temperature	0°C to +60°C

TRANSMISSION PERFORMANCE

Frequency (MHz)	Attenuation (Db)	NEXT (dB)	Return Loss (dB)
1	0.03	74.3	20.0
4	0.04	65.3	23.0
10	0.05	59.3	25.0
16	0.06	56.3	25.0
20	0.06	54.8	25.0
31.25	0.07	51.9	23.6
62.5	0.09	47.4	21.5
100	0.10	44.3	20.1
150	0.13	41.4	18.8
200	0.16	39.8	18.0
250	0.19	38.3	17.3
500	0.30	40.0	14.0

STANDARDS / COMPLIANCE

ANSI/TIA-568-C.2 Category 6A and ISO/IEC 11801 Class EA Standards
 ANSI/TIA-568-B.2-10: Meets or exceeds Category 6A (1-500 MHz) channel specifications
 ANSI/TIA/EIA-568-B.2: T568A and T568B, TIA/EIA TSB-40 requirements
 ISO/IEC 11801 2nd Ed.: 8-position pin/pair assignment (1-2/3-6/4-5/7-8)
 CENELEC Generic Cabling Standard EN50173 – 1:2002, Compliant with UL1863, RoHS Compliant

ETHERNET APPLICATIONS SUPPORTED

100BASE-TX Fast Ethernet, 1000BASE-T Gigabit Ethernet, 1000BASE-T, 100BASE-T, 10BASE-T
 Token Ring, 155 Mbps ATM, Composite Video, 622 Mbps ATM, 1.2/2.4 Gbs ATM, IP Video Surveillance

ORDERING INFORMATION

Part Number	Description
INKJ6A180BK	Category 6A UTP 180 Degree Keystone Jack, UL94V-0, Black
INKJ6A180WH	Category 6A UTP 180 Degree Keystone Jack, UL94V-0, White

Delivery: 10 Keystone Jack packed per bag with strain relief

Infinique's Extended Product Warranty provides a 25-year product and applications assurance of compliance with the industry performance standards appropriate to the class of cabling installed. This is a link performance warranty, covering patch panel to outlet and may be applied for by an Authorized Infinique's Channel Partner who has designed, supplied and installed the system.



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.

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Product specification, design and availability subject to change without prior notice.

Infinique Copper Systems

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