

Keystone Jack

CAT 6A – Unshielded



Genius Cat 6A Unshielded Keystone Jack supports 10 Gigabit Ethernet with bandwidth up to 500 MHz, delivering stable and consistent network performance. It meets Cat6A standards to minimize crosstalk and signal interference. Featuring IDC punch-down termination, gold-plated contacts, and a standard snap-in design, it ensures easy installation and reliable connectivity in keystone wall plates and patch panels.

Key Applications

- Compatible with 10GBASE-T, Gigabit Ethernet, HDBaseT, Voice, T1 & ISDN
- Power over Ethernet (PoE)
- Verified to ANSI/TIA Cat 6A & ISO/IEC 11801 class Ea
- Compact design
- Support solid or stranded 22-24 AWG wires
- Cat 6A T568A/B wiring meeting or exceeding TIA/EIA Cat 6A standards
- Available in multiple colors
- UL Listed & RoHS v3 Compliant
- Genius Network Brand performance warranty for 25 years



Product Specification

Jack Housing	PC+ABS Resin, UL 94V-0
Jack Contact Bracket	PC, UL 94-V2
Jack Contact Material	Phosphor Bronze
Jack Contact Surface Finishing	50 μ m selective gold plated
IDC Housing	PC, grey color, UL 94V-2
IDC Terminal	Phosphor Bronze with Nickel plating
IDC Cap	PC, UL 94-HB
IDC Durability	30 Termination cycles
PCB Material	FR4, UL 94V-0
Plug Insertion Life/ Mating Cycle	\geq 750 Cycles
Plug Retention Force	50 N 11.24 lbf
Cable Compatibility	6 mm to 9 mm
Supporting Wire Gauge	22 AWG to 24 AWG
Type of Fitment Compatibility	Compatible with RJ11 and RJ-45
Wiring Scheme	T568A/B

Electrical Parameter

Operating Frequency	500 MHz
Insulation Resistance	500 M Ω Minimum
Contact Resistance	20 m Ω
Current Rating	1.5 A
DC Resistance	0.1 ohms
Dielectric Strength	1000 V RMS @ 60 MZ for 1 min

Environmental Specification

Operating Temperature	-10°C to +60°C
Storage Temperature	-40°C to +60°C
Installation Temperature	-10°C to +60°C
Humidity	10 to 90% RH

Standards, Certifications & Compliances

- UL Listed
- Compliance with UL 94
- RoHS v3 Compliant
- PoE Type IEEE 802.3
- Compliance with ANSI/TIA-568-C.2, ANSI/TIA-568.2-D, ANSI/TIA-568.2-E, ISO/IEC 11801 & CENELEC EN50173
- Compliance with IEC 60603-7

Ordering Information

Part Number	Product Description
GCTKYUTBK	Genius Cat 6A Unshielded keystone Jack Black
GCTKYUTYL	Genius Cat 6A Unshielded keystone Jack Yellow
GCTKYUTWH	Genius Cat 6A Unshielded keystone Jack White
GCTKYUTRD	Genius Cat 6A Unshielded keystone Jack Red
GCTKYUTBL	Genius Cat 6A Unshielded keystone Jack Blue

