

Keystone Jack

CAT 6 – Unshielded



Genius Cat 6 UTP Keystone Jack is built for dependable high-speed data transmission, supporting up to 250 MHz for Gigabit Ethernet. It meets TIA/EIA Cat6 & ISO/IEC Class E standards to minimize crosstalk and signal loss. The jack uses IDC punch-down termination with gold-plated phosphor bronze contacts for durability and stable connectivity. Its compact snap-in design fits standard keystone wall plates and patch panels, making it ideal for professional structured cable installations

Key Features

- Compact design, support 24 keystones in 1 row, 1U
- Unscreened Cat 6 RJ45 Keystone Jack rated up to 250 MHz, 100Ω
- Quick termination compatible with 110 block and Krone tools
- Easy to be terminated, low attenuation loss and high return loss
- Supports solid 23-26 AWG wire
- Cat 6 with T568A/B wiring, meets/exceeds TIA/EIA Cat 6 requirements
- Available in multiple colors
- UL Listed & RoHS v3 Compliant
- Genius Network Brand performance warranty for 25 Years

Product Specification

Jack Housing	ABS+PC, UL 94V-0
Jack Contact Bracket	PC, UL 94-V2
Jack Contact Material	Phosphor bronze with nickel plated
Jack Contact Surface Finishing	50 micro -inch gold plated
IDC Housing	PC, grey color, UL 94V-2
IDC Terminal	Phosphor bronze with tin plated
IDC Cap	PC, UL 94-HB
IDC Durability	200 cycles
PCB Material	FR4, UL 94V-0
Plug Insertion Life / Mating Cycle	2500 Cycles
Plug Retention Force	50 N 11.24 lbf
Cable Compatibility	5 mm to 7 mm
Supporting Wire Gauge	23 AWG to 26 AWG
Type of Fitment Compatibility	Compatible with RJ11 and RJ-45

Electrical Parameter

Operating Frequency	250 MHz
Insulation Resistance	500 M Ω Minimum
Contact Resistance	20 m Ω
Current Rating	1.5 Amps
DC Resistance	0.1 ohms
Dielectric Strength	1kv/1min (DC)

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
- ETL 4 Connector Channel tested
- Compliance with UL 94
- RoHS v3 Compliant
- PoE Type IEEE 802.3 PoE+
- 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 60603-7-4:2010 (Ed. 2.0), IEC 6051 -99-001:2012 (Ed. 1.0) & FCC 68.500

Ordering Information

Part Number	Product Description
GC6KYUTPBK	Genius Cat 6 Unshielded keystone Jack Black
GC6KYUTPBL	Genius Cat 6 Unshielded keystone Jack Blue
GC6KYUTPRD	Genius Cat 6 Unshielded keystone Jack Red
GC6KYUTPWH	Genius Cat 6 Unshielded keystone Jack White
GC6KYUTPYL	Genius Cat 6 Unshielded keystone Jack Yellow
GC6KYUTPGR	Genius Cat 6 Unshielded keystone Jack Green

