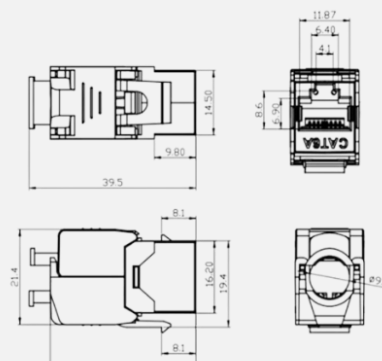


## SCHNELL CAT 6A UTP TOOL LESS KEYSTONE JACK

SCHNELL Category 6A UTP Tool-less Keystone Jack ensures high-performance transmission up to 10 Gigabit Ethernet. Designed for easy, fast, and reliable termination without tools, it supports 500 MHz bandwidth and T568A/B wiring schemes. Compatible with 23–26 AWG solid and stranded cables, it provides durable, snap-in installation in wall plates and patch panels.



### DIAGRAM & CONSTRUCTION

|                  |   |  |                                     |                                   |
|------------------|---|--|-------------------------------------|-----------------------------------|
| Housing Material | : High-Impact<br>Flame Retardant<br>PC, UL94V-0 |  | IDC Contact                         | : Tin-Plated Phosphor Bronze      |
| Contact Blades   | : Phosphor Bronze<br>with Gold Plating          |  | Cable Compatibility                 | : 23–26 AWG, Solid or<br>Stranded |
| Termination Cap  | : ABS   |  | Wire Insulation<br>Support<br>Color | : Yes<br>: White / Custom         |

### ELECTRICAL CHARACTERISTICS

|                       |                             |
|-----------------------|-----------------------------|
| Contact Resistance    | : $\leq 20\text{ m}\Omega$  |
| Insulation Resistance | : $\geq 500\text{ M}\Omega$ |
| Dielectric Strength   | : 1000 V AC RMS, 60 s       |
| Current Rating        | : 1.5 A                     |
| Voltage Rating        | : 150 V AC                  |
| Performance Bandwidth | : Up to 500 MHz             |

### MECHANICAL & TRANSMISSION DATA

|                       |  |
|-----------------------|--|
| Insertion Life        | : $\geq 750$ Cycles  |
| Wire Termination      | : Tool-less with snap-lock   |
| Wiring Scheme         | : T568A / T568B  |
| Jack Type             | : RJ45 8P8C  |
| Retermination Cycles  | : $\geq 20$ Times  |
| Operating Temperature | : $-10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$                           |
| Storage Temperature   | : $-40^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ Faceplates, Surface Boxes |

### KEY FEATURES

- Tool-less, fast, and secure termination
- Supports 10G Ethernet applications
- High-quality phosphor bronze contacts
- Compact design for tight installations

### KEY APPLICATIONS

- High-speed data and LAN networks
- Structured cabling systems
- Patch panels and faceplate integration
- Commercial and residential cabling

### REACTION TO FIRE

|                     |             |
|---------------------|-------------|
| Flammability Rating | : UL 94 V-0 |
| RoHS Compliance     | : Yes       |

### STANDARDS

- ANSI/TIA-568.2-D
- ISO/IEC 11801 Class E
- EN 50173-1
- IEC 60603-7

**TRANSMISSION PERFORMANCE OF DATA CHANNEL**

| Freq.MHz | Attenuation dB/100m @ 20°C | NEXT dB | PSNEXT dB | RL dB | ACR dB |
|----------|----------------------------|---------|-----------|-------|--------|
| 1        | 1.7                        | 86.3    | 83.3      | 26    | 84.6   |
| 4        | 3.4                        | 85      | 83        | 29    | 75.6   |
| 10       | 5.4                        | 77.3    | 74.3      | 31    | 71.9   |
| 20       | 7.6                        | 70      | 67        | 30    | 62.4   |
| 31.25    | 9.7                        | 68      | 65        | 29.8  | 58.3   |
| 100      | 18                         | 65.3    | 62.3      | 27    | 47.3   |
| 150      | 23.6                       | 62      | 59.8      | 26    | 38.4   |
| 200      | 27.4                       | 59      | 57.2      | 25    | 31.6   |
| 250      | 31                         | 57.6    | 54.6      | 25.2  | 26.6   |
| 300      | 34.2                       | 55      | 52        | 24    | 20.3   |
| 400      | 40                         | 53      | 51.8      | 21.8  | 13     |
| 500      | 42.2                       | 52      | 50        | 21.8  | 9.8    |

**PART NUMBER**

| Part Number    | Description                                |
|----------------|--|
| SCZ-5010C6ATKJ | SCHNELL CAT 6A UTP TOOL LESS KEYSTONE JACK |