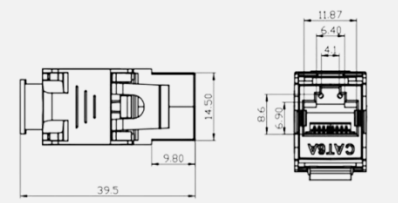


## SCHNELL CAT6 UTP TOOL LESS KEYSTONE JACK

Schnell Category 6 UTP Tool-less Keystone Jack offers reliable high-speed performance up to 250 MHz, supporting Gigabit Ethernet and PoE. Designed for fast, tool-free termination of 23–26 AWG solid or stranded cables, it ensures stable connections with minimal crosstalk. The compact snap-fit design suits patch panels, faceplates, and surface mount boxes with a secure locking latch.



### DIAGRAM & CONSTRUCTION

Housing Material	: Flame-retardant Polycarbonate (UL94 V-0)		IDC Type	: Tool-less, press-fit IDC
Contact Blades	: Phosphor Bronze with Gold Plating		Wire Gauge Support	: 23–26 AWG solid or stranded
Contact Plating	: 50 µm Gold over Nickel		Color	: White / Black / Custom Options

### ELECTRICAL CHARACTERISTICS

Contact Resistance	: ≤ 20 mΩ
Insulation Resistance	: ≥ 500 MΩ
Dielectric Strength	: 1000 V AC, 60 sec
Voltage Rating	: 150 V
Current Rating	: 1.5 A Max
Operating Temperature	: -10°C to +60°C

### MECHANICAL & TRANSMISSION DATA

Termination Type	: Tool-less Snap-in IDC
Insertion Durability	: ≥ 750 Mating Cycles
Connector Type	: RJ45 (8P8C)
Wiring Scheme	: T568 A & B
Mounting Compatibility	: Patch Panels, Faceplates, Surface Boxes

### KEY FEATURES

- Punch-down UTP modular design
- Exceeds TIA/ISO standards
- Supports PoE & high-bandwidth networks
- Ideal for structured cabling racks

### KEY APPLICATIONS

- Data centers and server rooms
- LAN and multimedia distribution
- VoIP and IP camera networks
- Power over Ethernet systems

### REACTION TO FIRE

Housing Flammability	: UL94 V-0
Halogen Content	: LSZH Optional

### STANDARDS

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

**TRANSMISSION PERFORMANCE OF DATA CHANNEL**

Part Number	Attenuation dB/100m @ 20°C	NEXT dB	PSNEX dB	RL dB
1	1.9	87.6	82.6	28
4	3.5	79.2	74.2	30
10	5.6	73.3	68.3	29
20	8.4	69.1	63.8	29
31.25	10	66	61.1	28.6
100	18.9	58	53	25.1
150	24	55.2	50.7	23.8
200	26.1	53	48	22.8
250	30	52.6	47.6	22

**PART NUMBER**

Part Number	Description
SCZ-5010C6TKJ	SCHNELL CAT6 UTP TOOL LESS KEYSTONE JACK