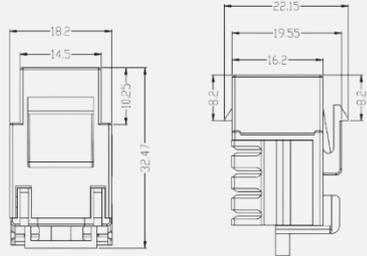# SCHNELL CAT6 UTP 90D KEYSTONE JACK

Schnell CAT6 UTP 90° Keystone Jack provides high-speed, reliable connections for Gigabit Ethernet and voice/data networks. It supports transmission frequencies up to 250 MHz and is designed for use with 23–26 AWG solid and stranded cables. With a 90° IDC termination and durable housing, this jack ensures secure connections and reduced crosstalk in structured cabling systems.

DIAGRAM & CONSTRUCTION

Housing Material	: Flame-retardant Polycarbonate (UL94 V-0)	IDC Material	: Phosphor Bronze
Contact Blade Material	: Phosphor Bronze	IDC Type	: 90° Punch-down
Contact Plating	: Gold over Nickel (50μin)	Wire Gauge	: 23–26 AWG Solid or Stranded
		Compatibility	
		Color	: White / Black / Custom

ELECTRICAL CHARACTERISTICS

Contact Resistance	: ≤ 20 mΩ
Insulation Resistance	: ≥ 500 MΩ
Dielectric Strength	: 1000 V AC / 60 sec
Current Rating	: 1.5 A Max
Operating Voltage	: 150 V Max
Frequency Range	: Up to 250 MHz

MECHANICAL & PHYSICAL CHARCHTERISTICS

Insertion Durability	: ≥ 750 Mating Cycles
Termination Type	: Punch-down (90°)
Wiring Scheme	: T568 A & B
Compatibility	: Standard Faceplates, Patch Panels
Connector Type	: RJ45 (8P8C)
Dimensions	: Standard Keystone Profile 30 - 250 MHz

KEY FEATURES

- 90° IDC for easy rear cable access
- High-performance design up to 250 MHz
- Snap-in keystone form for modular setups
- Tool-compatible for quick punch-down installation

KEY APPLICATIONS

- LAN and Gigabit Ethernet networks
- Patch panel and wall outlet terminations
- Office, campus, and industrial buildings
- Structured cabling for voice/data systems

REACTION TO FIRE

Housing Flammability	: UL94 V-0
Halogen Content	: LSZH Options Available

STANDARDS

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

ELECTRICAL PERFORMANCE OF DATA CHANNEL

Part Number	Attenuation dB/100m @ 20°C	NEXT dB	PSNEX dB	RL dB
1	1.9	87.6	82.6	28.0
4	3.5	79.2	74.2	30.0
10	5.6	73.3	68.3	29.0
20	8.4	69.1	63.8	29.0
31.25	10.0	66.0	61.1	28.6
100	18.9	58.0	53.0	25.1
150	24.0	55.2	50.7	23.8
200	26.1	53.0	48.0	22.8
250	30.0	52.6	47.6	22.0

PART NUMBER

Part Number	Description
SCZ-5010C6KJ	SCHNELL CAT6 UTP KEYSTONE JACK 90D