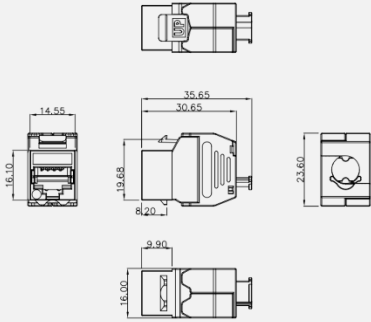


SCHNELL CAT 6 S/FTP TOOL LESS KEYSTONE JACK

The Schnell CAT-6 S/FTP Keystone Jack offers fully shielded (foil per pair + overall braid) performance for high-speed data. Designed for 23-26 AWG solid or stranded cables, supporting 250 MHz bandwidth, and engineered for clean terminations in patch panels, wall plates, or surface mount boxes.



DIAGRAM & CONSTRUCTION		
<p>Contact Material : Phosphor bronze (or copper alloy) with gold plating over nickel</p> <p>Housing / Shell : Shielded metal shell / die-cast zinc or plated steel cover</p> <p>Insulation Material : Fire-retardant plastic components</p>		<p>Wiring Compatibility : Supports both T568A & T568B schemes</p> <p>Dust / Shutter Option : Optional shutter or dust cap available</p> <p>IDC Termination Type : Dual IDC compatible (110 / Krone), tool-less cap for pair insertion</p>
PHYSICAL CHARACTERISTICS	ELECTRICAL & TRANSMISSION CHARACTERISTICS	
<p>Mating / Insertion Cycles : ≥ 750 insertions/removals</p> <p>Operating Temperature : -10 °C to +60 °C</p> <p>Storage Temperature : -40 °C to +70 °C</p> <p>Dimensions (Jack Body) : Height/Width/Depth typical of standard keystone form (approx. 17-20 mm width, ~42 mm depth including shield)</p> <p>Plug Retention / Contact Force : Designed to ensure solid plug connection with secure retention</p> <p>Finish / Color Options : Metal finish (nickel or nickel-plated), optional colors or label caps</p>	<p>Frequency / Bandwidth : Tested up to 250 MHz (meets Cat6 spec)</p> <p>Impedance : 100 Ω nominal</p> <p>Contact Resistance : ≤ 20 mΩ per contacting point</p> <p>Insulation Resistance : ≥ 500 MΩ</p> <p>Dielectric Withstand Voltage : 1000 V (contact-to-contact) for 1 minute</p> <p>Voltage Rating : 230 V RMS Max</p> <p>Support for PoE : Compatible with PoE / PoE+ types</p> <p>NEXT / Return Loss : Meets Cat6 standard performance (NEXT, RL) values over required frequencies 50 MHz (Cat6)</p>	
KEY FEATURES	KEY APPLICATIONS	
<ul style="list-style-type: none"> Fully shielded S/FTP design to minimize EMI/RFI Gold-plated contacts ensure signal integrity and corrosion resistance Dual IDC style for flexible termination (110/Krone) Supports both wiring schemes (T568A & B) Optional dust cover or shutter for protection 	<ul style="list-style-type: none"> Gigabit Ethernet (1000BASE-T) patch panels & backbones High-interference environments (labs, industrial, server rooms) Wall plates, surface mount, and modular faceplates PoE / PoE+ deployments where shielding is beneficial 	

REACTION TO FIRE		STANDARDS
Flammability Rating	: UL 94 V-0	<ul style="list-style-type: none"> ANSI/TIA-568 Cat6 ISO/IEC 11801 Class E IEC/EN shielded keystone standards RoHS compliant
RoHS Compliance	: Yes	

TRANSMISSION PERFORMANCE OF DATA CHANNEL

Freq in MHZ	Attenuation dB/100m @ 20°C	NEXT dB	PSNEX dB	RL dB
1	2.0	80.0	78.0	27.0
4	3.8	75.0	72.8	30.0
10	6.0	71.0	69.0	30.0
20	8.5	62.0	60.2	30.0
31.25	10.4	60.9	58.9	28.6
100	19.8	54.0	52.0	26.0
150	24.7	50.7	48.7	25.1
200	29.0	48.1	46.1	23.8
250	32.8	46.3	44.3	22.0

PART NUMBER

Part Number	Description
SCZ-5010C6STKJ	SCHNELL CAT 6 S/FTP TOOL LESS KEYSTONE JACK