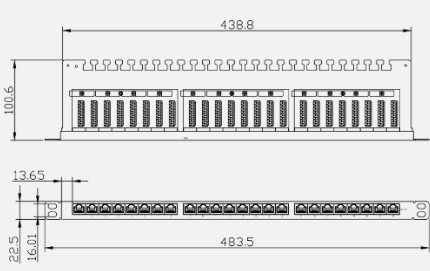


## SCHNELL CAT6 S/FTP TOOL LESS PATCH PANEL

High-performance 24-port CAT6 S/FTP patch panel for mounting in standard 19" racks. Fully shielded per-pair foils and overall braid ensure excellent EMI protection. Supports Gigabit and 10GBase-T networks, with tool-friendly termination and rear cable management. Ideal for data centers, server rooms, and high-interference environments.



### DIAGRAM & CONSTRUCTION

Panel Material	: Cold-rolled steel with anti-static powder-coated shield		Termination Style	: 110 / Krone punch-down blocks
Shielding	: Foil per pair + overall braided shield (S/FTP)		Frame Structure	: Reinforced steel bracket, vented edges to reduce heat
Connector Type	: 24 × RJ45 (female) ports		Color Finish	: Black powder coat (other RAL colors optional)
			Port Labeling	: Numbered front ports, write-on labels

### ELECTRICAL CHARACTERISTICS

Bandwidth / Frequency	: Up to 250 MHz (meets CAT6 S/FTP spec)
Impedance	: 100 Ω nominal
Contact Resistance	: ≤ 20 mΩ per contact
Insulation Resistance	: ≥ 500 MΩ
Voltage Rating	: ~150 VAC (signal / data applications)
Supports PoE / PoE+	: Yes

### PHYSICAL CHARACTERISTICS

Height	: 1U (≈44 mm)
Width	: 19" rack width (≈482.6 mm)
Depth	: Approx. 120–140 mm including connectors and rear cable bar
Wire Gauge Compatibility	: 22-26 AWG solid or stranded
Operating Temperature	: -10 °C to +60 °C

### KEY FEATURES

- Fully shielded S/FTP design for high EMC performance
- 24 ports in 1U height, space efficient layout
- Accepts both 110 and Krone style punch-down blocks
- Rear cable management bar included
- Front port numbering and color coding for wiring standards

### KEY APPLICATIONS

- Gigabit and 10G Ethernet backbones
- High-noise / EMI-sensitive environments (labs, factories)
- Data center rack and telecom room deployments
- PoE / PoE+ powered device infrastructures

### PART NUMBER

Part Number	Description
SCZ-5010C6SPP24TP	SCHNELL CAT6 S/FTP 24-PORT TOOL LESS PATCH PANEL
SCZ-5010C6SPP48TP	SCHNELL CAT6 S/FTP 48-PORT TOOL LESS PATCH PANEL