

SCHNELL CAT 6A S/FTP PATCH CORDS

SCHNELL Category 6A S/FTP Patch Cords are high-performance cables designed to support 10 Gigabit Ethernet over 100 meters. With 500 MHz transmission capability, each pair is individually foil shielded and enclosed in an overall braid for superior EMI protection. Featuring molded boots and gold-plated contacts, these cords ensure signal integrity and robust performance in demanding environments.

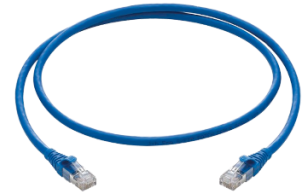
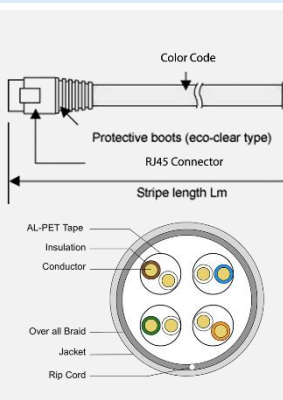


DIAGRAM & CONSTRUCTION

Conductor : Stranded Bare Copper : 26 AWG Wire Gauge : Aluminum Foil Pair Shielding (Individual Pair) : Tinned Copper Braid Overall Shield		Insulation : Polyethylene Outer Jacket : LSZH or PVC Material Boot Type : Snagless Molded Plug Contact : 50µin Gold Plated on Nickel Material
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ELECTRICAL CHARACTERISTICS

Rated Voltage	: 72 V DC
Conductor Resistance	: ≤ 85 Ω/km
Contact Resistance	: ≤ 20 mΩ
Insulation Resistance	: ≥ 150 MΩ/km
Voltage Withstand	: 1 kV AC / 1 min
Impedance	: 100 ± 15 Ω @1–500 MHz

PHYSICAL CHARACTERISTICS

Cable Diameter	: 7.5 ± 0.2 mm
Connector Type	: RJ45, 8P8C Modular
Bend Radius	: >25 mm (no load)
Operating Temperature	: -20°C to +75°C
Storage Temperature	: -20°C to +80°C
Color Options	: Grey, Blue, Yellow, Red, Green, or Custom

KEY FEATURES

- 10G Ethernet support up to 100m
- Individually foil-shielded pairs with overall braid
- 50µin gold-plated contacts for corrosion resistance
- Robust strain relief with snagless boots

KEY APPLICATIONS

- Data centers and enterprise backbones
- High-speed LANs and PoE+ applications
- EMI-sensitive industrial environments
- Patch panels and switch/router uplinks

REACTION TO FIRE

Flammability Rating	: IEC 60332-1 (LSZH version)
Halogen-Free Compliance	: IEC 60754-2

STANDARDS

- ISO/IEC 11801 Class EA
- ANSI/TIA-568.2-D
- EN 50173-1
- IEC 60512-99-002
- RoHS / REACH Compliant

ELECTRICAL PERFORMANCE DATA

req. MHz	NEXT(dB) min.				RL(dB) min.
	1m cord	2m cord	5m cord	10m cord	
1	65	65	65	65	19.5
4	65	65	65	65	22
10	65	64.9	64.4	62.9	23
20	61	60.8	59.2	58.6	23.5
30	56.9	56.3	54.9	53.6	22.8
60	51	50.4	49.2	48.1	20
100	47	46.4	45.4	44.5	18
200	41.1	40.7	39.9	39.3	15
250	39.3	38.9	38.1	37.7	14
300	36.4	36.2	35.9	35.8	12.8
400	31.8	31.9	32.1	32.5	10.9
500	28.1	28.3	29.3	29.6	9.5

PART NUMBER

Part Number	Description	Outer Jacket Material
SCZ-5010C6APCS0012GY	SCHNELL CAT 6A S/FTP PATCH CORD 0.12 MTR GREY	PVC/LSZH
SCZ-5010C6APCS0015GY	SCHNELL CAT 6A S/FTP PATCH CORD 0.15 MTR GREY	PVC/LSZH
SCZ-5010C6APCS002GY	SCHNELL CAT 6A S/FTP PATCH CORD 0.2 MTR GREY	PVC/LSZH
SCZ-5010C6APCS003GY	SCHNELL CAT 6A S/FTP PATCH CORD 0.3 MTR GREY	PVC/LSZH
SCZ-5010C6APCS005GY	SCHNELL CAT 6A S/FTP PATCH CORD 0.5 MTR GREY	PVC/LSZH
SCZ-5010C6APCS01GY	SCHNELL CAT 6A S/FTP PATCH CORD 1 MTR GREY	PVC/LSZH
SCZ-5010C6APCS02GY	SCHNELL CAT 6A S/FTP PATCH CORD 2 MTR GREY	PVC/LSZH
SCZ-5010C6APCS03GY	SCHNELL CAT 6A S/FTP PATCH CORD 3 MTR GREY	PVC/LSZH
SCZ-5010C6APCS05GY	SCHNELL CAT 6A S/FTP PATCH CORD 5 MTR GREY	PVC/LSZH
SCZ-5010C6APCS10GY	SCHNELL CAT 6A S/FTP PATCH CORD 10 MTR GREY	PVC/LSZH
SCZ-5010C6APCS15GY	SCHNELL CAT 6A S/FTP PATCH CORD 15 MTR GREY	PVC/LSZH
SCZ-5010C6APCS20GY	SCHNELL CAT 6A S/FTP PATCH CORD 20 MTR GREY	PVC/LSZH
SCZ-5010C6APCS25GY	SCHNELL CAT 6A S/FTP PATCH CORD 25 MTR GREY	PVC/LSZH
SCZ-5010C6APCS30GY	SCHNELL CAT 6A S/FTP PATCH CORD 30 MTR GREY	PVC/LSZH

BK(Black)
 WT(White)
 GY(Grey)
 BL(Blue)
 RD(Red)
 PK(Pink)
 PL(Purple)
 GR(Green)
 YL(Yellow)
 OR(Orange)