

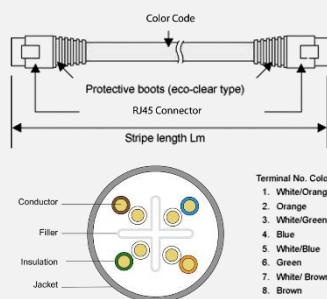
SCHNELL CAT 6A U/UTP PATCH CORDS

Schnell Category 6A U/UTP patch cords deliver high-performance networking with reduced insertion loss and minimal alien crosstalk. Tested up to 500 MHz, they support 10 Gigabit Ethernet and are fully compatible with protocols like 1000BASE-T, 100BASE-T, 10BASE-T (IEEE 802.3), Token Ring (IEEE 802.5), 100VG-AnyLAN, TP-PMD, ATM (55/155 Mbps), and voice applications.



DIAGRAM & CONSTRUCTION

Conductor : Stranded Bare
Copper
Wire Gauge : 26 AWG
Insulation : HDPE



Outer Jacket : PVC / LSZH
Material : Moulded Snagless
Boot Type : Grey / Yellow / Red / Blue / Green / Custom
Jacket Colors

ELECTRICAL CHARACTERISTICS

Rated Voltage : 72 V DC
Conductor Resistance : $\leq 85 \Omega/\text{km}$
Contact Resistance : $\leq 20 \text{ m}\Omega$
Insulation Resistance : $\geq 150 \text{ M}\Omega/\text{km}$
Voltage Proof : 1 kV AC / min
Impedance : $100 \pm 15 \Omega @ 1\text{--}500 \text{ MHz}$

PHYSICAL CHARACTERISTICS

Cable Diameter : $6.2 \pm 0.2 \text{ mm}$
Plug Type : 8P8C RJ45, Gold Plated (50 μm)
Boot Feature : Flexible, Strain-relief, Snagless
Bend Radius : $>25 \text{ mm}$ (no load)
Operating Temperature : -20°C to $+75^\circ\text{C}$
Storage Temperature : -20°C to $+80^\circ\text{C}$

KEY FEATURES

- Supports 10G Ethernet up to 100 meters
- Flexible snagless boot for secure connection
- 50 μm gold-plated contacts for superior signal integrity
- Available in multiple lengths and colors

KEY APPLICATIONS

- High-speed data centers
- Server farms and enterprise LANs
- VoIP and PoE+ environments
- Patch panels and switch interconnects

REACTION TO FIRE

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

STANDARDS

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

MECHANICAL & TRANSMISSION DATA

| Freq. MHz | NEXT(dB) min. | | | | RL(dB) min. |
|--------------|---------------|---------|---------|----------|-------------|
| | 1m cord | 2m cord | 5m cord | 10m cord | |
| 500 | 27.8 | 28.2 | 28.5 | 29.4 | 9.2 |

PART NUMBER

| Part Number | Description | Outer Jacket Material |
|---------------------|---|-----------------------|
| SCZ-5010C6APC0012GY | SCHNELL CAT 6A UTP PATCH CORD 0.12 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC0015GY | SCHNELL CAT 6A UTP PATCH CORD 0.15 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC002GY | SCHNELL CAT 6A UTP PATCH CORD 0.2 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC003GY | SCHNELL CAT 6A UTP PATCH CORD 0.3 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC005GY | SCHNELL CAT 6A UTP PATCH CORD 0.5 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC01GY | SCHNELL CAT 6A UTP PATCH CORD 1 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC02GY | SCHNELL CAT 6A UTP PATCH CORD 2 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC03GY | SCHNELL CAT 6A UTP PATCH CORD 3 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC05GY | SCHNELL CAT 6A UTP PATCH CORD 5 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC10GY | SCHNELL CAT 6A UTP PATCH CORD 10 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC15GY | SCHNELL CAT 6A UTP PATCH CORD 15 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC20GY | SCHNELL CAT 6A UTP PATCH CORD 20 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC25GY | SCHNELL CAT 6A UTP PATCH CORD 25 MTR GREY | PVC/LSZH |
| SCZ-5010C6APC30GY | SCHNELL CAT 6A UTP 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)