Copper Patch Cord
Mini CAT6A 28 AWG Assemblies

C·ENTERPRISES
Connecting Today's Infrastructures

Channel Certified (QF)

Copper Patch Cord, RJ45 to RJ45, Clear Snagless Boots, CAT6A 28 AWG Stranded 7/36 Tinned Copper Wire, 4 Pair, F/UTP, Riser, 568B Straight.
Connectors with No Boots also available.

Features

Mini Category 6A 28 AWG patch cords are manufactured in the USA from high quality components.
The 28 AWG design improves cable density with a reduced cross-sectional area, promoting increased air flow and rack ventilation.
RJ45 Slim Snagless connectors ideal for high-density applications.
Assemblies tested for continuity, shorts, wire mapping and overall integrity.

Applications

Applications include data, voice, and video distribution systems.
Designed for high-speed 10-Gigabit Ethernet networks, such as in data centers and telecommunication rooms; sized for optimal routing within racks and cabinets.
Assembly meets requirements associated with alien crosstalk in bundled applications.

Use for:
 • 10GBASE-T
 • LAN / WAN
  Channel Requirements up to 56 meters. 7.8 meters of 28 AWG patch length with a 90 meter permanent link (97.8 meter channel) or 10 meters of patch length with an 86 meter permanent link (96 meter channel).
 • Power Over Ethernet: PoE, PoE+, UPoE, PoH (40 Meters)

Shielded assembly used in environments where noise interference or data security are a concern; such as in government, healthcare and manufacturing applications.

Agency / Standard Compliance

Cable:
• RoHS/REACH Compliant
• ANSI/TIA 568.2-D (Pending Release)
• NEC (UL) TYPE CMR/CMG
• CEC C(UL) TYPE CMR/CMG

Connector:
• RoHS/REACH Compliant
• ANSI/TIA 568
• IEC 60603-7
• TIA 1096
• UL 94V-0 Flame Rating

Testing

Cable and connectors meet or exceed industry mechanical and electrical parameters for performance and reliability.
Patch cords are channel certified as :
 • ANSI/TIA Category 6A
 • ISO/IEC 11801 Class E_A (500 MHz)

Durability

For indoor use.
Riser (CMR) jacket cable allows for routing between floors in risers, vertical shafts and other non-plenum spaces.
Stranded wire design increases wire flexibility.
Cable meets or exceeds CAT6A alien cross talk parameters.

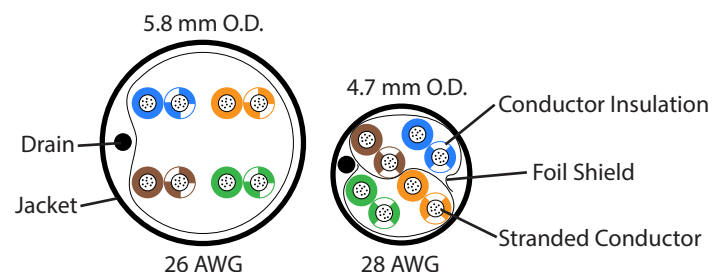Slim Snagless   Shielded Slim Snagless

Jacket Colors

● Black
● Gray
○ White
● Brown
● Beige
● Red
● Orange
● Yellow
● Green
● Blue
● Pink
● Lime
● Aqua
● Light Blue
● Violet

Colors shown are a representation only.
Standard colors normally in stock.

Parameter	Specification
Cable Outside Diameter	4.85 mm (0.186 in) nom.
Cable Jacket Material	Polyvinylchloride (PVC)
Cable Gauge	28 AWG (7x36) Stranded
Nominal Weight per 1000 ft	6.9 kg (15.2 lbs)
Cable Sweep Frequency	500 MHz
Voltage Rating, Max.	300V
D.C. Resistance, Max.	68.2 Ω
Insertion Loss	1.95 dB max.
Operating Environment	- 20°C + 75°C (- 4°F + 167°F)

F/UTP Cable Comparison

5.8 mm O.D.

4.7 mm O.D.

Drain

Jacket

26 AWG

28 AWG

Conductor Insulation

Foil Shield

Stranded Conductor

ISO 9001 CERTIFIED