

14ft (4.27m) Cat6 Snagless Unshielded UTP Slim Ethernet Network Patch Cable - Black **SKU:**
C2G02208



The Cat6 Snagless Unshielded (UTP) Slim Network Patch Cable is the perfect solution for high density datacenter applications. The use of 28 AWG conductors allows for a 36% reduction in diameter over a standard Cat6 network patch cable. This reduced diameter provides a smaller cable surface area which allows for increased airflow when compared to standard Cat6 cables. The 28 AWG conductors also allow this cable to have a smaller bend radius than standard Cat6 cables. The small size and small bend radius of this cable allows it to be easily routed through cable management panels.

This cable is designed for fast Ethernet networks that require bandwidth-intensive voice, data, or video distribution applications. Constructed from high quality copper cable, this design minimizes Near-End Crosstalk (NEXT) levels. The molded, snagless boot prevents unwanted cable snags during installation and provides extra strain relief. Available in a variety of colors to easily color-code your network installation.

- Complies with the latest ANSI/TIA-568 standard.

Maximum cable length recommendations:

- 96 Meter Channel (90 meters of horizontal cable and up to 6 meters of slim network patch cables)
- 93 Meter Channel (83 meters of horizontal cable and up to 10 meters of slim network patch cables)
- For POE/POE+ applications we limit bundles to 40 cables due to heat dissipation of these reduced diameter cables.

Additional Technical Specifications

ELECTRICAL SPECIFICATIONS

- Conductor DC Resistance: 9.38Ω/100m (maximum)
- Impedance: 100Ω
- Capacitance: 5600pf/100m
- Propagation Delay: 545ns/100m (maximum)
- Delay Skew: 45ns/100m (maximum)

PHYSICAL SPECIFICATIONS

- Wiring Scheme: T568B
- Temperature Rating: 75°C
- Voltage Rating: 30V
- Approvals: CE
- Warranty: Lifetime
- Package Type: Polybag

CONDUCTOR (4 PAIR)

- Conductor Type: 248AWG (7/0.16 BC)
- Insulation: FM-PE ID: $\phi.60 \pm 0.05$
- Twist Pair: White/Orange, Blue, White/Blue, Green, White/Green, Brown, White/Brown

CONNECTOR TYPE (QTY. 2)

- Connector Type: 8P8C (RJ45)
- Gender: Male
- Contact Material: Gold Plated 50μ
- Hood Material: Molded PVC, UL94V-0

OVERALL CABLE

- Jacket: PVC
- Outer Diameter: $3.8 \pm 0.15\text{mm}$

Specifications

Dimensions &

Measurements

Bandwidth	500 mHz
Bend Radius	0.6 in (15.2 mm)
Cable Diameter	0.15 in (3.8 mm)
Cable Length	14 ft (4.3 m)
Operating Humidity Max	80% RH (Non-Condensing)
Operating Humidity Min	10% RH (Non-Condensing)
Operating Temperature	-4° - 176°F (-20° - 80°C)
Operating Temperature Max	176 Fahrenheit (80 Celsius)
Operating Temperature Min	-4 Fahrenheit (-20 Celsius)
Shipping Weight	0.19 lbs (0.1 kg)
Storage Temperature Max	176 Fahrenheit (80 Celsius)
Storage Temperature Min	-4 Fahrenheit (-20 Celsius)
Voltage	30 V
Wire Gauge	28
Wiring Scheme	T568B

Characteristics & Features

Cable Shielding	Unshielded (UTP)
Cable Type	Cat6
Category Performance Application	Cat 6
Color	Black
Conductor Material	Copper
Conductor Stranding	Stranded
Connector 1	(1) RJ-45 Male
Connector 2	(1) RJ-45 Male
Connector Hood Material	PVC
Connector Type	Slim
Insulation Material	FMPE (Foam Polyethylene)
Jacket Application	Standard Non-Rated
Jacket Rating	Standard Non-Rated
Plating Specification	50 μ in Gold
Product Type	Cable
Signal Type	UTP
Special Features	TIA/EIA-568-C.2
UPC	757120022084

**Certifications &
Warranties**

Certifications	• CE • Prop 65 • REACH • RoHS
Data Transfer Rate	10 GBPS
Jacket Material	PVC
Warranty	Lifetime

Source: https://www.legrandav.com/products/cables_and_connectivity/category_cables/cat6-slim-patch-cable/c2g02208