

DESCRIPTION

Bellcom CAT6A slim unshielded Ethernet patch cords are designed for high-density network patching where flexibility, reduced cable diameter, and Category 6A performance are required. The cable uses 28 AWG stranded bare copper conductors, 8P8C RJ45 modular plugs, and a flame-retardant PVC jacket.

KEY FEATURES

- CAT6A slim patch cord construction for high-density cabinets and patch panels
- Stranded bare copper conductors, 28 AWG
- Supports IEEE 802.3at PoE+ Type 2
- Unshielded 8P8C RJ45 modular plugs
- 50 micro-inch gold plated contacts
- Flame-retardant PVC jacket
- CM rated, UL Listed, RoHS compliant
- T568B wiring scheme
- Available in multiple colors and single or 24-pack options

APPLICATIONS

- 10GBASE-T Ethernet
- 5GBASE-T / 2.5GBASE-T
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Network cabinets, patch panels, data centers, and structured cabling interconnects

PRODUCT SUMMARY

Property	Specification
Product Type	CAT6A Slim Ethernet Patch Cord
Category	Category 6A
Construction	UTP, 4 unscreened twisted pairs
Conductor	Stranded bare copper, 28 AWG
Plug Type	8P8C modular plug / RJ45
Jacket	Flame-retardant PVC
Jacket Diameter	0.15 in. / 3.8 mm
SKU	BC6A-PC

**CAT6A Slim Patch Cord****CONSTRUCTION & CHARACTERISTICS**

Component	Property	Specification
Cable	Media	4 unscreened twisted pairs; 8 stranded conductors
Wiring	Scheme	ANSI/TIA-568.2: T568B; ISO/IEC 11801 pin/pair assignment
Conductor	Material / Size	Stranded bare copper / 28 AWG
Insulation	Material	High-Density Polyethylene (HDPE)
Jacket	Material	Polyvinyl chloride (PVC), flame-retardant
Jacket	Diameter	0.15 in. / 3.8 mm
Plug	Type	8P8C modular plugs (RJ45)
Plug	Housing	Flame-retardant polycarbonate (PC), 94V-0
Plug	Contacts	50 micro-inch gold plated
Marking	Cable Marking	CAT6A UTP 28AWG 4P Cable, 10GIG UTP CAT6A, ANSI/TIA-568-D.2 & ISO/IEC 11801, RoHS compliant

PERFORMANCE & ELECTRICAL SPECIFICATIONS

Property	Specification
Performance	Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
Supported PoE	IEEE 802.3at PoE+ Type 2
Insulation Resistance	10 M Ohm minimum
Contact Resistance	2 Ohm maximum
Hi-Pot Test	300 V DC / 10 ms
Open / Short / Miswire Test	100% tested
Voltage Rating	300 V
Fire Rating	UL444

NETWORK PERFORMANCE COMPATIBILITY

Application / Standard	Compatibility
10GBASE-T	Supported
5GBASE-T / 2.5GBASE-T	Supported
1000BASE-T	Supported
100BASE-TX	Supported
10BASE-T	Supported
Wiring Map	T568B

STANDARDS & APPROVALS

- ANSI/TIA-568.2-D performance specification
- ISO/IEC 11801 specification
- T568B wiring scheme
- UL Listed
- CM rated
- RoHS compliant
- Flame-retardant PVC jacket construction

ORDERING INFORMATION

SKU / Option	Description
BC6A-PC	CAT6A Slim Ethernet Patch Cord, 28 AWG stranded UTP, RJ45 modular plugs
Color Options	White
Pack Options	Single pack
Available Lengths	0.15 m, 0.3 m, 0.5 m, 1 m, 1.5 m, 2 m, 3 m, 5 m,

COLOR IDENTIFICATION & PACKAGING

Item	Specification
Available Colors	White
Packaging	Single pack
Use Case	Color-coded patching for easy identification in cabinets, racks, patch panels, and structured cabling installations
Note	Color, length, and packaging options should be confirmed at time of order

COMPLIANCE NOTE

Product specifications are based on supplier technical data and are subject to change without notice. Final color, length, packing, and marking options should be confirmed at time of order.