

PRODUCT OVERVIEW

Bellcom CAT6A 180 degree unshielded keystone jacks are designed for structured cabling installations requiring Category 6A performance in a compact modular format. The dual-type IDC design supports termination with common 110/Krone style punch-down tools, supports T568A and T568B wiring, and is suitable for high-performance data, voice, video, and local area networking applications.

FEATURES

- Category 6A UTP 180 degree unshielded keystone jack with dual type IDC termination
- Bandwidth performance rated to 250 MHz
- Supports T568A and T568B wiring schemes for easy installation
- Dual IDC connector accepts 22-26 AWG solid cables
- High-impact flame-retardant plastic housing, UL 94V-0
- RoHS compliant construction
- Performance conforms to ANSI/TIA-568-C.2, ISO/IEC 11801 and EN50173-1 Category 6A specifications

APPLICATIONS

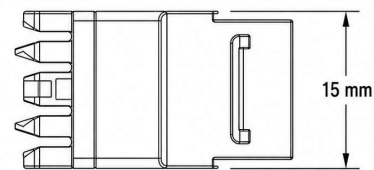
- 10GBASE-T Ethernet
- 1000BASE-TX / 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet / 10BASE-T Ethernet
- ATM-25 / ATM-51 / ATM-155 and 100VG-AnyLAN applications
- Voice, video and other structured cabling applications
- Work area outlets, patch panels, faceplates, and modular cabling systems

PRODUCT SUMMARY

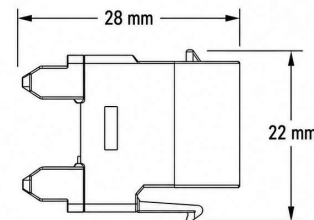
Property	Specification
Product Type	CAT6A 180 degree UTP keystone jack
Termination	Dual type IDC
Wiring Scheme	T568A and T568B
Cable Support	22-26 AWG solid cables
Bandwidth	250 MHz
Connector Format	RJ-45 / 8P8C keystone jack
SKU	BC6A-KSJ

BELLCOM 180° KEYSTONE JACK (CAT6A)

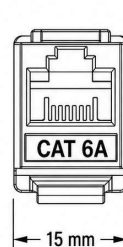
TOP VIEW



SIDE VIEW



FRONT VIEW



Bellcom CAT6A 180 degree unshielded keystone jack

TECHNICAL DATA

Category	Property	Specification
Category	Performance Rating	Category 6A, 250 MHz
Termination	IDC Type	Dual type IDC
Termination	Cable Gauge	22-26 AWG solid cables
Wiring	Wiring Scheme	T568A and T568B
Electrical	Dielectric Strength	1000 V RMS for 1 minute
Electrical	Insulation Resistance	10 M Ohm minimum
Electrical	Contact Resistance	2 mOhm per contact
Environmental	Temperature Range	-10°C to 60°C maximum
Environmental	Humidity	10% - 90%, non-condensing

CONSTRUCTION & CHARACTERISTICS

Component	Property	Specification
Housing	Material	PC / high-impact plastic housing
Housing	Flame Rating	UL 94V-0 flame retardant
IDC Contact	Material / Plating	100 micro-inch nickel plated over phosphor bronze
IDC Contact	Operating Life	Minimum 250 re-terminations
Jack Contact	Material / Plating	Phosphor bronze, 50 micro-inch gold plating over nickel plating in contact area
Jack Contact	Operating Life	Minimum 750 insertions
PCB	Material / Thickness	FR-4, 1.6 mm thickness
Compliance	RoHS	Compliant

STANDARDS & COMPLIANCE

- ANSI/TIA-568-C.2 Category 6A performance requirements
- ISO/IEC 11801 structured cabling requirements
- EN50173-1 Category 6A specification
- RoHS compliant

INSTALLATION NOTES

- Terminate using the required T568A or T568B wiring scheme
- Use compatible 110 or Krone punch-down tooling for the dual-type IDC termination
- Maintain proper cable pair twist as close as possible to the IDC termination point
- Verify links using accepted Category 6A permanent link test methods after installation

ELECTRICAL PERFORMANCE

Parameter	Specification
Dielectric Strength	1000 V RMS for 1 minute
Current Rating	1.5 Amp maximum
Insulation Resistance	10 M Ohm minimum
Contact Resistance	2 mOhm per contact
Temperature Range / Humidity	-10°C to 60°C maximum / 10% - 90%, non-condensing
Performance Test	CAT6A UTP permanent link / permanent link test method

ORDERING INFORMATION

SKU	Product Description
BC6A-KSJ	Bellcom CAT6A 180 Degree Unshielded Keystone Jack, Dual Type IDC

Confirm required color, packaging quantity, and project requirements at time of order.