

DESCRIPTION

Bellcom Category 6 180° unshielded patch panels are designed for durable, organized network termination and system management. The 48-port panel features 110 and dual-type IDC termination, supports T568A/B wiring, and accepts 23-26AWG solid and stranded UTP cables.

KEY FEATURES

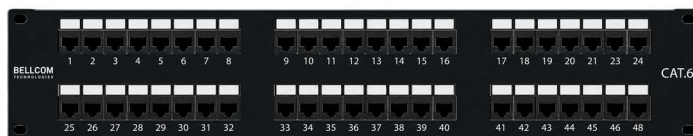
- Meets ANSI/TIA-568-C.2 Category 6, ISO/IEC 11801 and EN50173-1 specifications
- Supports T568A and T568B wiring for easy installation
- IDC connector accepts 23-26AWG solid and stranded cables
- Terminates using 110 or Krone punch-down tools
- Backward compatible with Category 5e and Category 3 systems
- Writable and erasable front marking surfaces for port identification

APPLICATIONS

- 10BASE-TX Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-T Ethernet
- Voice, video and other structured cabling applications

PRODUCT SUMMARY

Property	Specification
Product Type	Patch Panel
Category	Category 6
Port Count	48-Port
Panel Type	180° Unshielded
Termination	110 / Krone Type IDC
Cable Compatibility	23-26 AWG Solid & Stranded UTP
Wiring Scheme	T568A & T568B
SKU	BC6-PP48



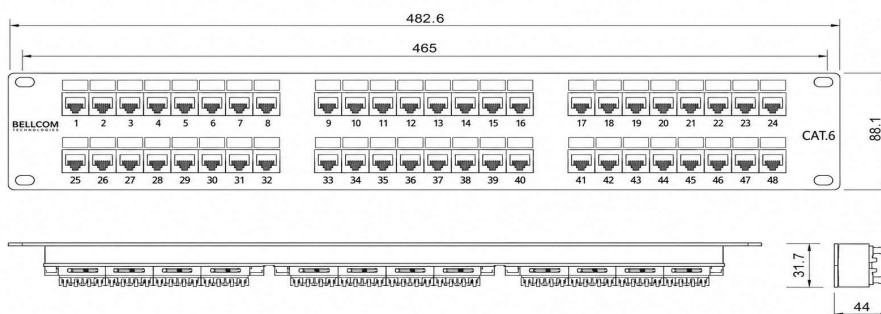
ELECTRICAL SPECIFICATIONS

Property	Specification
Dielectric Strength	1000V RMS for 1 minute
Insulation Resistance	10MΩ minimum
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C max
Humidity	10% - 65%

PHYSICAL SPECIFICATIONS

Component	Specification
IDC Contact	0.8mm thickness phosphor bronze, tin plating over nickel
Jack Contact	Phosphor bronze, 50μin gold plated over nickel
Jack Operating Life	Minimum 750 insertions
IDC Operating Life	Minimum 250 insertions
Housing	High impact plastic housing, UL 94V-0
PCB	FR-4, 1.6mm thickness

DIMENSIONS



PERFORMANCE

Designed for Category 6 permanent link performance and verified using T568B wire-map testing. The patch panel supports structured cabling installations for Ethernet, Fast Ethernet, Gigabit Ethernet, voice and video applications.

Property	Specification
Performance Class	Category 6 Permanent Link
Wiring Map	T568B PASS
Supported Wiring	T568A & T568B
Termination Tools	110 or Krone punch-down tools
Compatible Cable	23-26AWG solid and stranded UTP cable
Backward Compatibility	Category 5e / Category 3

STANDARDS & APPROVALS

- ANSI/TIA-568-C.2 Category 6
- ISO/IEC 11801
- EN50173-1 specification
- UL/cUL Listed
- ETL Intertek Verified
- High impact housing rated UL 94V-0

ORDERING INFORMATION

SKU	Product Description
BC6-PP48	CAT6 180° Unshielded Patch Panel, 48-Port

Port count, packaging and project requirements should be confirmed at time of order.

PRODUCT NOTES

- Recommended for 19-inch structured cabling racks and cabinets.
- Front marking areas support clear port identification for system management.
- Use appropriate Category 6 cable and qualified installation practices to maintain channel performance.