

#### **Technical Overview**

The CERTECH Cat 6A RJ45 unshielded keystone jack is designed to terminate unshielded twisted pair (U/UTP) Cat 6A cable (23-26AWG). With rear-facing IDCs and a rapid termination tool, terminations are fast, consistent and straightforward. This ensures consistent, reliable performance with every termination. The robust cable retention cap allows for the incoming cable to be positioned as a side or rear entry, enabling the jack to be utilised in challenging site conditions with limited space, such as tight cavities and floor boxes.

When paired with CERTECH Cat 6A U/UTP cable and installed by a CERTECH Certified Installer according to the CERTECH quality plan, the permanent links exceed the performance criteria outlined in AS 11801:2019 (Parts 1–6) and are backed by the CERTECH 25-Year System Performance Warranty.

## **Compliance and Certification**

AS/CA S008:2020 (Australian Standard)	Requirements for customer cabling products (the manufacturing rules)
AS/CA S009:2020 (Australian Standard)	Installation requirements for customer cabling (the wiring rules)
AS 11801:2019 Series (Parts 1–6) (Australian Standard)	Information technology - Generic cabling for customer premises (structured cabling performance standard)
ANSI/TIA-568.2-E	Balanced Twisted-Pair Telecommunications Cabling and Components
IEC 60603-7	Requirements for 8-way modular RJ45 connectors, covering mechanical, electrical, and environmental performance
UL 1863, ETL, DELTA	This product is safety certified (UL 1863, ETL) and independently performance-verified (DELTA Verified)
RoHS, REACH & TSCA	Compliant with global substance regulations (RoHS, REACH, TSCA).
Fluke DSX CableAnalyzer™ Compatible	CERTECH Cat 6A cables are selectable within the Fluke DSX Series (firmware v6.8+)













#### **Product**

Product Code JKC6ASTP-6

#### Description

CERTECH Cat 6A Unshielded Keystone Jack, Punch Down/ Rapid Tool Termination, Rear Entry – 6pc Pack.

**Colour** Black

Product Code JKC6ASTP-24

#### Description

CERTECH Cat 6A Unshielded Keystone Jack, Punch Down/ Rapid Tool Termination, Rear Entry – 6pc Pack.

Colour Black

#### **Key Features**

- Rapid Termination Using the Rapid Termination tool for faster installation and consistent termination quality
- Rear Facing IDC's For ease of termination and accessibility
- Short base design For tight cavities and confined spaces
- ✓ Side or Rear Cable Exit For flexible cable entry in confined spaces
- UL Listed, DELTA and ETL Verified, RoHS, REACH, and TSCA compliant



#### **Applications**

The CERTECH Cat 6A Unshielded Keystone Jack is engineered for performance in environments with minimal electromagnetic interference (EMI), supporting 10GBASE-T Ethernet 10GBASE-T (backwards compatible to 1000BASE-T and 100BASE-TX), HDBaseT, and advanced PoE++ (up to 100 W). Compliant with AS 11801:2019 (Parts 1–6), ANSI/TIA-568.2-E, ISO/IEC Class EA, and IEEE 802.3bt, it delivers high-speed performance and long-term reliability for a broad range of structured cabling installations. A shielded solution is recommended for environments with higher levels of EMI and potential ingress of noise.

Ideal for use in environments where shielding is not required, including:

#### **Commercial Buildings & Offices**

Reliable performance, supporting Wi-Fi, VoIP, video conferencing, and high-speed data access.

#### **Educational Institutions**

Ideal for classrooms, libraries, and staff areas - delivering 10 Gigabit per second throughput capacity to enable digital learning and device connectivity.

#### **Retail & Hospitality**

Supports transactional systems, digital signage, guest Wi-Fi, and surveillance systems.

#### **Residential & MDU Projects**

Cost-effective, high-performance cabling for smart homes, home offices, and multi-dwelling units (MDUs).

#### **Enterprise Campuses**

Suitable for standard floor-by-floor reticulation and workstation connectivity in low-EMI building environments.

#### **Wireless Access Points (WAPs)**

Reliable network performance as required by AS/CA 11801.6 (distributed building services) for Wi-Fi 6/6E and Wi-Fi 7 backhaul in ceiling or wall-mounted deployments where EMI is not a concern.

#### PoE & PoE++ Applications

Certified for safe power over ethernet delivered via structured cabling. Ideal for powering IP cameras, access control, wireless access points, and PoE lighting as per IEEE 802.3bt.

#### **Structured Cabling Backbone**

Supports backbone and horizontal cabling from the building/campus distributer to the telecommunications outlets.

This solution ensures your structured cabling investment can reliably support the data transmission, bandwidth, and power requirements of today, and tomorrow.

#### **How to Specify**

Specify CERTECH JKC6AUTP Cat 6A Unshielded RJ45 Keystone Jack compliant with AS/CA S008:2020, AS 11801:2019 (Parts 1–6), ANSI/TIA-568.2-E, and IEC 60603-7. The jack must support 10GBASE-T transmission at speeds of 10 Gbps over a 100-metre channel or 90-metre permanent link and be capable of operating at up to 500 MHz bandwidth.

The keystone jack must include the following features:

- Installer-friendly termination utilising a Rapid Termination Tool for ease of installation and longterm reliability.
- Jacks must be available to accept incoming cable from the rear or either side of the jack for tight cavities and spaces.
- UL-listed, ETL/DELTA verified, and RoHS, REACH, and TSCA compliant.
- Supplied in sustainable packaging designed in line with the Australian Packaging Covenant's (APCO) Sustainable Packaging Guidelines (SPGs).

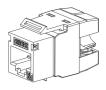
The structured cabling system must be installed using CERTECH Cat 6A cable by a CERTECH Certified Installer and shall be covered by the CERTECH 25-Year System Performance Warranty. All telecommunications outlets must be third-party verified by a NATA accredited authority.



Mechanical Performance	Transmission & System Performance	Construction
Plug Insertion Cycles 750 for RJ45 & 200 for RJ11	Performance Category Cat 6A (Class EA)	Jack Body Material ABS PC V
Plug Retention Force ≥ 50 N  Re-termination Capability 20 times  Wire Gauge 23-26 AWG (Solid)  Termination method Rapid termination tool (JKRAPID-C6A) or 110 tool (CTPDKR110)  Wiring Configuration T568A / T568B (Generally T568A for Australia)	PoE Support IEEE 802.3bt Type 4, 4PPoE. PoH up to 100W  PoE Durability ≥ 750 cycles PoE load  Supported Cable Types U/UTP  Plug Compatibility RJ45, (8P8C), RJ11 (6P2C)	IDC Housing: PC FR  Contact Base Material Phosphor Bronze  Contact Plating 50µ" gold over nickel  Shielding No  Entry Orientation Configurable for rear or side entry.
Electrical Performance	Environmental Performance	Installation and Termination
Current 1.5A  Dielectric Withstand Voltage 1000 V AC (60 Hz)  Insulation Resistance ≥ 500 MΩ  Contact Resistance ≤ 20 MΩ	Operating Temperature -10°C to +60°C  Storage Temperature -40°C to +85°C  Flame Rating UL94 V-0  Compliance RoHS, REACH, TSCA	Tool Requirements Flush cutters (CTFLUSH), cable stripper (CTSTRIPD), and Rapid Termination Tool (JKRAPID-C6A) or 110 tool (CTPDKR110)  Termination Method Rapid termination (JKRAPID-C6A) or 110 punch down (CTPDKR110)  Colour Code T568A and T568B wiring scheme on jack label (Generally T568A for Australia)

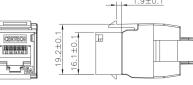
# **Technical Drawing**





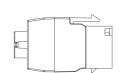














#### **Tools and Accessories**

Telecommunications Outlet Options – Field End		
JKBEZ10	Bezel to suit Clipsal Style 30 Series/HPM Face Plates	
JKBEZPRO10	Bezel to suit Clipsal Style 40 Series (Iconic/ PRO) Face Plates	
SMB-1P	Single Port Surface Mount Box for Keystone Jacks	
SMB-2P	Dual Port Surface Mount Box for Keystone Jacks	
SMB4P	Four Port Surface Mount Box for Keystone Jacks	
SMB6P	Six Port Surface Mount Box for Keystone Jacks	
SMB8P	Eight Port Surface Mount Box for Keystone Jacks	

Telecommunications Outlet Mounting Options – Rack End	
PP24UKSH-NL	CERTECH 1RU 19" 24 Port Patch Panel Suitable for STP & UTP Applications, with Rear Support Bar
PP24UKANG	CERTECH 1RU 19" 24 Port Angled Unloaded Patch Panel Suitable for STP & UTP Applications, with Rear Support Bar

Essential Accessories – Termination tools		
CTFLUSH	Flush Cutting Pliers	
CTSTRIPD	Adjustable UTP/STP Cable Stripper & Cutter	
CTPDKR110	110 punch down tool (optional)	
JKRAPID-C6A	Rapid Termination Tool for CERTECH Cat 6A UTP Keystone Jacks (preferred)	

### Warranty

- 2-year Product Warranty
- Eligible for the CERTECH
   25-Year System Performance
   Warranty when installed as part of a CERTECH structured cabling system by a CERTECH-Certified Installer and tested using approved methods such as the Fluke DSX CableAnalyzer™

## Sustainability

#### **Packaging**

Supplied in sustainable packaging designed in line with the Australian Packaging Covenant's (APCO) Sustainable Packaging Guidelines (SPGs)

### **Product Longevity**

Minimum expected life of 25+ years, backed by the CERTECH 25-Year System Performance Warranty

#### **Materials**

No single-use plastic packaging

## **Logistics**

JKC6AUTP-6 (6pc Pack)		
Packaged Weight	89g	
Packaged Dimensions	130mm x 90mm x 30mm	
Carton Quantity	72	
Carton Dimensions	410mm x 330mm x 220mm	
Barcode	329522546	

JKC6AUTP-24	
Packaged Weight	292g
Packaged Dimensions	430mm x 90mm x 30mm
Carton Quantity	24
<b>Carton Dimensions</b>	460mm x 300mm x 290mm
Barcode	329522551