

#### **Technical Overview**

The CERTECH Cat 6A shielded RJ45 keystone jack is designed for fast, reliable terminations of Cat 6A shielded cable within high-performance Class EA structured cabling systems. It features tool-less termination to reduce installation time and ensure consistent connection quality, along with fully enclosed insulation displacement contacts (IDCs) for optimal performance and long-term reliability. Dual earth connection points provide robust, grounded connectivity.

When paired with CERTECH Cat 6A shielded 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 STP Keystone Jack, Tool-Free, Rear Entry – 6pc Pack.

Colour Silver

**Product Code** JKC6ASTP-24

#### Description

CERTECH Cat 6A STP Keystone Jack, Tool-Free, Rear Entry – 24pc Pack.

Colour Silver

#### **Key Features**

- ✓ Tool-Less Termination For faster installation and consistent termination quality
- Fully Enclosed IDCs For longterm performance and reliability
- Dual Earth Connection Points
   Ensures robust shielding and grounded connectivity
- ✓ 180° Cable Exit Allows the jacks to sit side by side in high density patch panels and wall plates
- UL Listed, DELTA and ETL Verified, RoHS, REACH, and TSCA compliant



## **Applications**

The CERTECH Cat 6A shielded keystone jack is designed to meet the demands of modern high-speed, high-density network environments, supporting 10GBASE-T (backwards compatible to 1000BASE-T and 100BASE-TX), HDBaseT, and next-generation 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 plays a critical role in future-ready cabling systems, offering certified performance to AS 11801:2019 (Parts 1–6), ANSI/TIA-568.2-E, ISO/IEC Class EA, and IEEE 802.3bt standards.

Ideal for use across a wide range of sectors, including:

#### **Data Centres**

High-density installations requiring consistent 10 Gigabit throughput and thermal efficiency

#### **Enterprise Networks**

Offices, campuses, and commercial buildings requiring reliable and scalable connectivity

#### **Educational Institutions**

Supports smart classrooms, AV systems, Wi-Fi 6/6E & Wi-Fi 7 backhaul, and student device integration

#### **Government & Defence**

Delivers secure, shielded connections and robust grounding for critical infrastructure

#### Healthcare

Low-latency, high-bandwidth performance for digital health and medical-grade systems

### **Smart Infrastructure**

Backbone for IoT, building automation, access control, CCTV, and lighting control systems

#### **Power over Ethernet (PoE)**

Optimised for PoE, PoE+, and PoE++ (IEEE 802.3bt Type 3 and 4), including HDBaseT up to 100  $\mbox{W}$ 

#### **Wireless Access Points**

Reliable backhaul for high-performance Wi-Fi 6/6E & Wi-Fi 7 deployments

#### **Transport & Utilities**

Shielded, rugged solution for demanding, high-interference environments

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 JKC6ASTP Cat 6A Shielded 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:

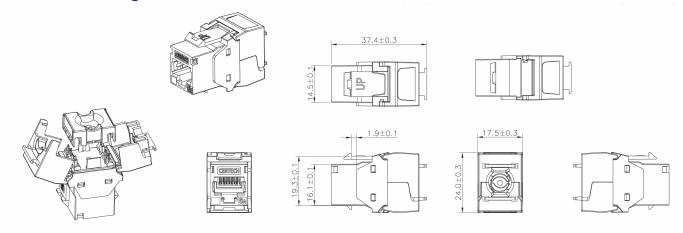
- Tool-less termination for fast, consistent, and installer-friendly connections.
- Fully enclosed IDCs for reliable Category 6A performance with optimal headroom.
- Dual earth grounding points for robust shielding continuity.
- UL-listed, ETL/DELTA verified, and RoHS, REACH, and TSCA compliant.
- Supplied 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 Nickel Plated Zinc Alloy
Plug Retention Force ≥ 50 N  Re-termination Capability 20 times  Wire Gauge 23-26 AWG (Solid)  Cable Diameter Supported 6 to 9mm  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 F/FTP, F/UTP, S/FTP, U/FTP  Plug Compatibility RJ45, (8P8C), RJ11 (6P2C)	IDC Housing: PC FR  Contact Base Material Phosphor Bronze  Contact Plating 50µ" gold over nickel  Shielding Yes  Entry Orientation Rear 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). No punchdown tool required  Optional Tool Parallel pliers (CTPARALLEL) to assist closure  Colour Code T568A and T568B wiring scheme (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	
CTPARALLEL Parallel pliers for jack closure		

## 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**

JKC6ASTP-6 (6pc Pack)		
Packaged Weight	208g	
Packaged Dimensions	130mm x 90mm x 30mm	
Carton Quantity	72	
Carton Dimensions	410mm x 330mm x 220mm	
Barcode	329522543	

JKC6ASTP-24 (24pc Pack)		
Packaged Weight	776g	
Packaged Dimensions	430mm x 90mm x 30mm	
Carton Quantity	24	
Carton Dimensions	460mm x 300mm x 290mm	
Barcode	329522547	