

# JKC6ASTP-6 & JKC6ASTP-24

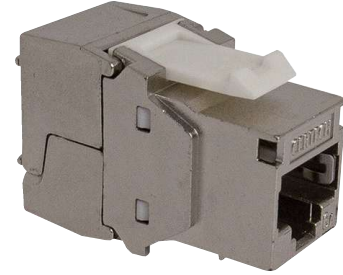
## Technical Overview

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

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



## Product

**Product Code** JKC6ASTP-6

### Description

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

**Colour** Silver

**Product Code** JKC6ASTP-24

### Description

CERTECH Cat 6A Shielded 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 long-term 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**



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## 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 100W). 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 100W

### 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 Category 6A Shielded RJ45 Keystone Jack compliant with AS/CA S008:2020, AS 11801:2019 (Parts 1–6), ANSI/TIA-568.2-E, and IEC 60603-7-15. 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 500MHz bandwidth.

The keystone jack must include the following features:

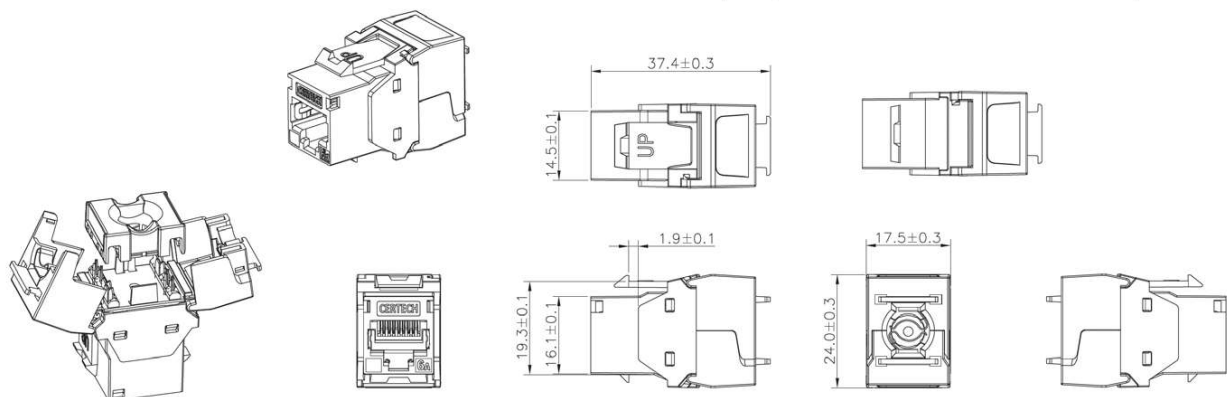
- Tool-less termination for fast, consistent, and installer-friendly connections.
- Fully enclosed IDCs for reliable Category 6A performance with optimal headroom.
- Dual earth grounding points for robust shielding continuity.
- UL-listed, ETL/DELTA verified, and RoHS, REACH, and TSCA compliant.
- Supplied 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 Category 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.

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Mechanical Performance	Transmission & System Performance	Construction
<p><b>Plug Insertion Cycles</b> 750 for RJ45 &amp; 200 for RJ11</p> <p><b>Plug Retention Force</b> ≥ 50N</p> <p><b>Re-termination Capability</b> 20 times</p> <p><b>Wire Gauge</b> 23-26 AWG (Solid)</p> <p><b>Cable Diameter Supported</b> 6 to 9mm</p> <p><b>Wiring Configuration</b> T568A / T568B (Generally T568A for Australia)</p>	<p><b>Performance Category</b> Cat 6A (Class EA)</p> <p><b>PoE Support</b> IEEE 802.3bt Type 4, 4PPoE. PoH up to 100W</p> <p><b>PoE Durability</b> ≥ 750 cycles PoE load</p> <p><b>Supported Cable Types</b> F/FTP, F/UTP, S/FTP, U/FTP</p> <p><b>Plug Compatibility</b> RJ45, (8P8C), RJ11 (6P2C)</p>	<p><b>Jack Body Material</b> Nickel Plated Zinc Alloy</p> <p><b>IDC Housing:</b> PC FR</p> <p><b>Contact Base Material</b> Phosphor Bronze</p> <p><b>Contact Plating</b> 50µ" Gold over Nickel</p> <p><b>Shielding</b> Yes</p> <p><b>Entry Orientation</b> Rear Entry</p>
Electrical Performance	Environmental Performance	Installation and Termination
<p><b>Current</b> 1.5A</p> <p><b>Dielectric Withstand Voltage</b> 1000V AC (60 Hz)</p> <p><b>Insulation Resistance</b> ≥ 500 MΩ</p> <p><b>Contact Resistance</b> ≤ 20 MΩ</p>	<p><b>Operating Temperature</b> -10°C to +60°C</p> <p><b>Storage Temperature</b> -40°C to +85°C</p> <p><b>Flame Rating</b> UL94 V-0</p> <p><b>Compliance</b> RoHS, REACH, TSCA</p>	<p><b>Tool Requirements</b> Flush Cutters (CTFLUSH), Cable Stripper (CTSTRIPD). No punch-down tool required</p> <p><b>Optional Tool</b> Parallel pliers (CTPARALLEL) to assist closure</p> <p><b>Colour Code</b> T568A and T568B wiring scheme (Generally T568A for Australia)</p>

## Technical Drawing



# JKC6ASTP-6 & JKC6ASTP-24

## Tools and Accessories

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

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

Essential Accessories – Termination Tools	
<b>CTFLUSH</b>	Flush Cutting Pliers
<b>CTSTRIPD</b>	Adjustable UTP/STP Cable Stripper & Cutter
<b>CTPARALLEL</b>	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)	
<b>Packaged Weight</b>	181g
<b>Packaged Dimensions</b>	130mm x 90mm x 30mm
<b>Carton Quantity</b>	72
<b>Carton Dimensions</b>	410mm x 330mm x 220mm
<b>Barcode</b>	329522543

JKC6ASTP-24 (24pc Pack)	
<b>Packaged Weight</b>	774g
<b>Packaged Dimensions</b>	430mm x 90mm x 30mm
<b>Carton Quantity</b>	24
<b>Carton Dimensions</b>	460mm x 300mm x 290mm
<b>Barcode</b>	329522547