

# JKC6ASTP-DS-6 & JKC6ASTP-DS-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. The integrated dust shutter protects internal contacts from dust, debris and contamination, particularly for education environments.

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-DS-6

### Description

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

**Colour** Silver

**Product Code** JKC6ASTP-DS-24

### Description

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

**Colour** Silver

## Key Features

- ✓ **Tool-Less Termination** – For faster installation and consistent termination quality
- ✓ **Integrated Dust Shutter** – To protect internal components and ensure long-term performance
- ✓ **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). 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. It features an integrated dust shutter that protects internal contacts from dust and foreign intrusions, helping maintain long-term performance and reliability.

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-DS 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:

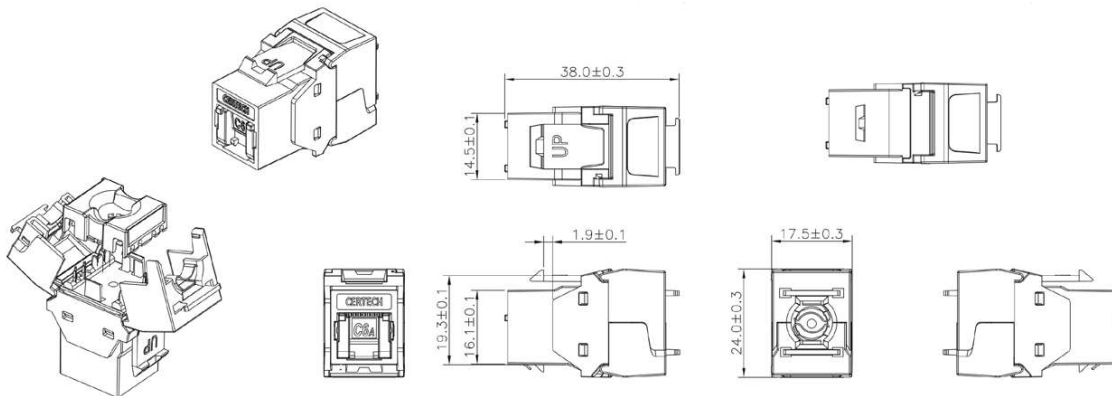
- Integrated dust shutter to protect internal components and maintain long-term performance.
- Tool-less termination for fast, consistent, and installer-friendly connections.
- Fully enclosed IDCs for reliable Category 6A performance with optimal headroom.
- Dual earth grounding points for robust shielding 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.

# JKC6ASTP-DS-6 & JKC6ASTP-DS-24

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-DS-6 & JKC6ASTP-DS-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-DS-6 (6pc Pack)	
<b>Packaged Weight</b>	196g
<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>	32922545

JKC6ASTP-DS-6 (24pc Pack)	
<b>Packaged Weight</b>	743g
<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>	329522548