CERTECH CERTIFIED TECHNOLOGIES

JKC6ASTP-SEDS-6 & JKC6ASTP-SEDS-24

Technical Overview

The CERTECH Cat 6A shielded RJ45 side entry 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. Left and right knockouts allow flexible cable positioning for tight spaces such a floor boxes and confined cavities.

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-DS-6

Description
CERTECH Cat 6A Shielded Keystone Jack, Dust Shutter, Tool-Free, Side Entry (Left and Right Side) – 6pc Pack.

Colour Silver

Product Code JKC6ASTP-DS-24

Description
CERTECH Cat 6A Shielded Keystone Jack, Dust Shutter, Tool-Free, Side Entry (Left and Right Side) – 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

✓ **90º Cable Exit** – Knockouts on left and right for side cable entry, ideal for tight or confined installations

✓ **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.
Left and right knockouts allow flexible cable positioning for tight spaces such a floor boxes and confined cavities.

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-SEDS 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.

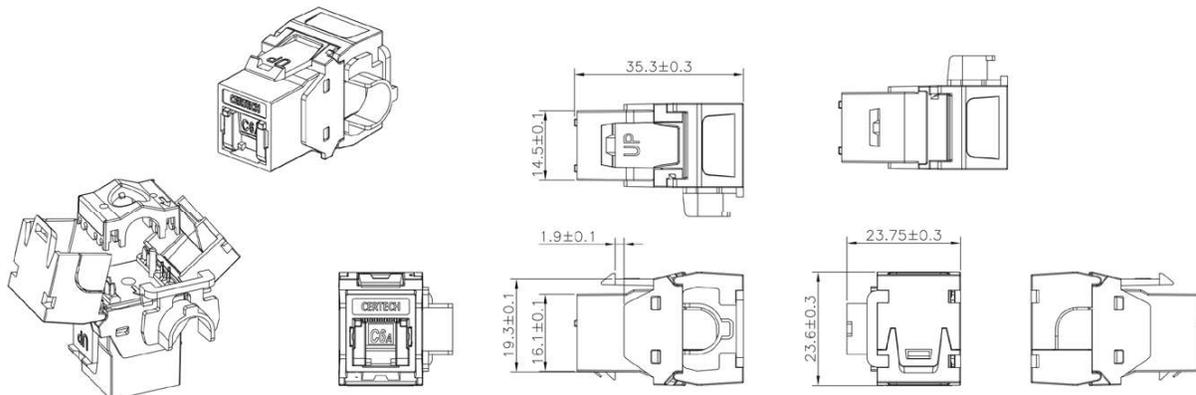The keystone jack must include the following features:

- 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.

- Left and right knockouts to allow flexible cable entry in confined spaces.

- 90° cable exit for tight or space-constrained installations.

- 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
Plug Insertion Cycles 750 for RJ45 & 200 for RJ11 **Plug Retention Force** ≥ 50N **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)	**Performance Category** Cat 6A (Class EA) **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)	**Jack Body Material** Nickel Plated Zinc Alloy **IDC Housing:** PC FR **Contact Base Material** Phosphor Bronze **Contact Plating** 50µ" Gold over Nickel **Shielding** Yes **Entry Orientation** Side-entry left and right configurable
Electrical Performance	**Environmental Performance**	**Installation and Termination**
Current 1.5A **Dielectric Withstand Voltage** 1000V AC (60 Hz) **Insulation Resistance** ≥ 500 MΩ **Contact Resistance** ≤ 20 MΩ	**Operating Temperature** -10°C to +60°C **Storage Temperature** -40°C to +85ºC **Flame Rating** UL94 V-0 **Compliance** RoHS, REACH, TSCA	**Tool Requirements** Flush Cutters (CTFLUSH), Cable Stripper (CTSTRIPD). No punch-down tool required **Optional Tool** Parallel pliers (CTPARALLEL) to assist closure **Colour Code** T568A and T568B wiring scheme (Generally T568A for Australia)

Technical Drawing

JKC6ASTP-SEDS-6 & JKC6ASTP-SEDS-24

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-SEDS-6 (6pc Pack)	
Packaged Weight	213g
Packaged Dimensions	130mm x 90mm x 30mm
Carton Quantity	72
Carton Dimensions	410mm x 330mm x 220mm
Barcode	32922544

JKC6ASTP-SEDS-24 (24pc Pack)	
Packaged Weight	781g
Packaged Dimensions	430mm x 90mm x 30mm
Carton Quantity	24
Carton Dimensions	460mm x 300mm x 290mm
Barcode	329522549

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