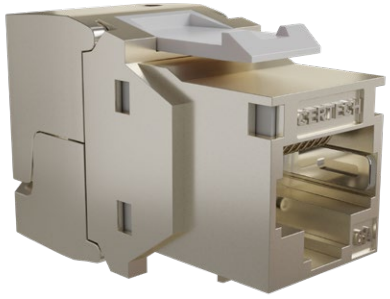
CERTECH
CERTIFIED TECHNOLOGIES

Technical Specification



JKC6ASTP-6 (6pc Pack)
JKC6ASTP-24 (24pc Pack)

Description

CERTECH Cat 6A Shielded Keystone Jack, Tool-Free, Rear Entry

Colour

Silver

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.

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 60603-7-15. 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 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 designed, installed and tested to pass in accordance with recognised Australian and international standards.

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

180º 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 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.

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.

Mechanical Performance

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)

Construction

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
Rear Entry

Transmission & System Performance

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

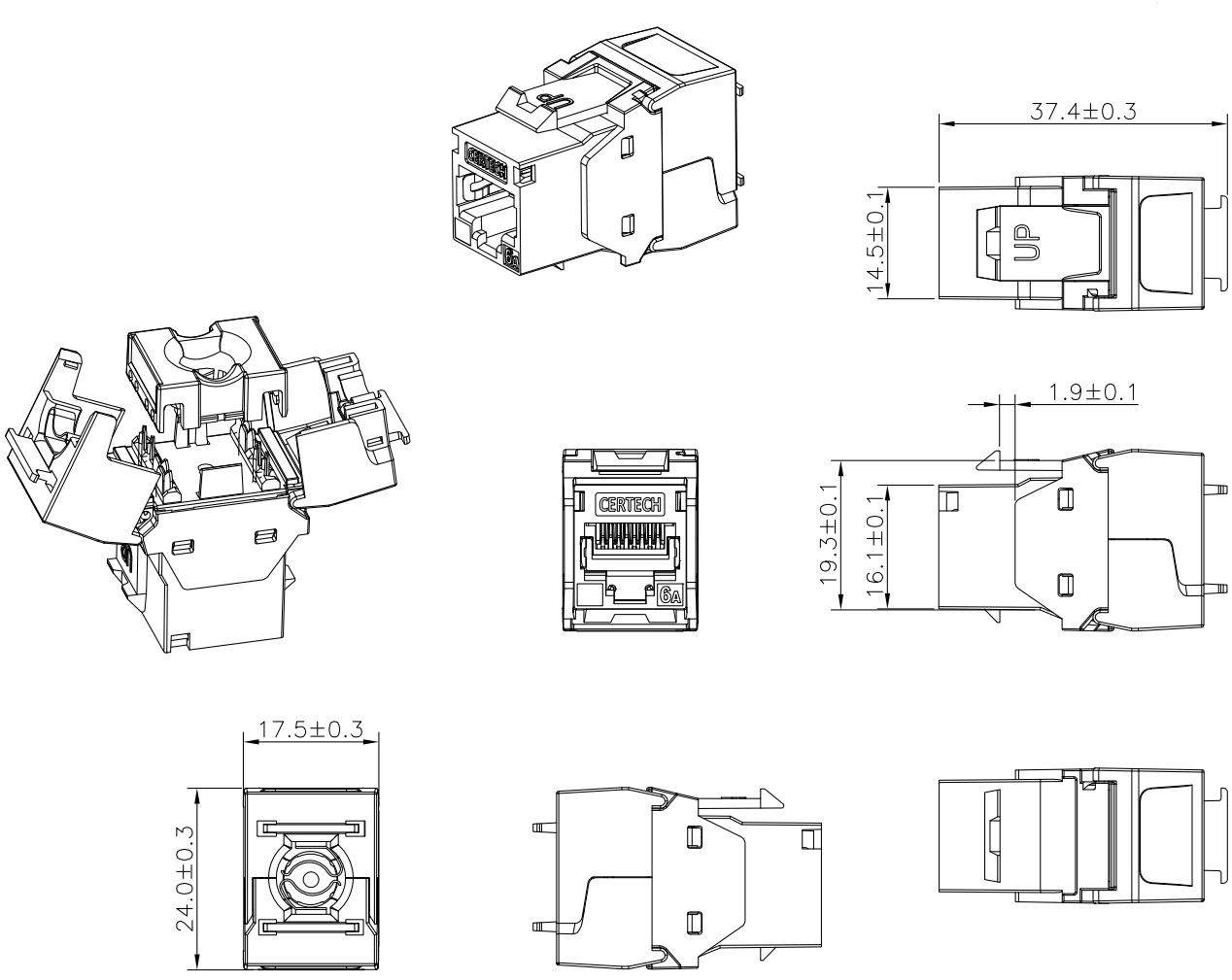
Plug Compatibility
RJ45 (8P8C), RJ11 (6P2C)

Installation & Termination

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)



Electrical Performance

Current
1.5A

Dielectric Withstand Voltage
1000V AC (60Hz)

Insulation Resistance
≥ 500MΩ

Contact Resistance
≤ 20MΩ

Environmental Performance

Operating Temperature
-10°C to +60°C

Storage Temperature
-40°C to +85°C

Flame Rating
UL94 V-0

Compliance
RoHS, REACH, TSCA

Tools and Accessories

Telecommunications Outlet Options – Field End	
JKBEZ10	White Bezel to Suit Clipsal Style 30 Series (2000, C2000), Zetr, Hager Hybrid Plates
JKBEZ10-BKZ	Black Bezel to Suit Clipsal Style 30 Series (2000, C2000), Zetr, Hager Hybrid Plates
JKBEZPRO10	White Bezel to Suit Clipsal Style 40 Series (Iconic, Pro) Plates
JKBEZPRO10-BKZ	Black Bezel to Suit Clipsal Style 40 Series (Iconic, Pro) Plates
SMB-1P	Single Port Surface Mount Box for Keystone Jacks
SMB-2P	Dual 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

Logistics

	JKC6ASTP-6 (6pc Pack)	JKC6ASTP-24 (24pc Pack)
Packaged Weight	181g	774g
Packaged Dimensions	130mm x 90mm x 30mm	430mm x 90mm x 30mm
Carton Quantity	72	24
Carton Dimensions	410mm x 330mm x 220mm	460mm x 300mm x 290mm
Barcode	329522543	329522547

Compliance & 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 60603-7-15
Requirements for 8-way modular RJ45 connectors, covering mechanical, electrical, and environmental performance

UL 1863, ETL, DELTA Verified
This product is safety certified (UL 1863, ETL) and independently performance-verified (DELTA Verified)

RoHS, REACH & TSCA Compliant
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+)

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

Warranty

5-Year Limited 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 according to the CERTECH quality plan using the Fluke DSX CableAnalyzer™

25 SYSTEM PERFORMANCE WARRANTY YEAR

APCO AUSTRALIAN PACKAGING COVENANT ORGANISATION MEMBER

Box arl.org.au

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