

PRODUCT DATA SHEET

Shielded Cat 6 Keystone Jack

Application

CAT 6 shielded products are designed to support all 1000BASE-T networks. CAT 6 shielded connectors meet TIA-568.2-D (CAT 6) and ISO/IEC 11801 (Class E) requirements for all parameters up to 250 MHz. The shielded connector protects critical data from potential EMI/RFI (electromagnetic interference/radio frequency interference).

Specification

CAT 6 shielded connector shall be TAA compliant, and provide electrical TIA-568.2-D (CAT 6) and ISO/IEC 11801 (Class E) performance for all parameters up to 250 MHz. Up to six connectors shall be able to fit in a single-gang faceplate for high-density applications. The connector shall be encased in a die-cast housing with a wide-angle, hinged design that allows easy access for termination. The connector shall allow termination without a 110 punch-down tool. The connector shall include T568A and T568B universal color codes.

Features

- Shielding provides EMI/RFI protection and signal isolation
- Connector features robust die-cast housing
- Connector incorporates a wide-angle, hinged design for easy access and termination
- Supports CAT 6 component, permanent link, and channel performance

Design Considerations

- Can be used to terminate all types of shielded cable
- Use flush-cut trimmers to remove exposed conductors prior to termination
- Fits most Nitrotel applications in patch panels, faceplates, and surface mount boxes.

Standards Compliance

- Connector is part of a complete CAT 6 shielded solution that meets the following standards:
- TIA-568-C.0
- TIA-568-C.1
- TIA-568.2-D CAT 6 component/channel
- ISO 11801 CAT 6 component/Class E channel
- IEEE 802.3af Power over Ethernet (PoE)
- IEEE 802.3at Power over Ethernet Plus (PoE+)
- TIA-1096-A (formerly FCC Part 68)
- EN 50173
- TAA compliant

