

Copper Structured Cabling, Keystone Jack, CAT6 FTP

Features and benefits

- Category identification on the front side of the jack
- 50-micron gold plated contacts
- Universal color-coding according to T568A and T568B
- Suitable for 110 and Krone type tools
- IDC contacts that allow re-termination for wiring changes without damaging the unit
- IDC termination point at 180° to jack
- Clear wire retaining caps for easy inspection
- Mounts in faceplates or patch panels
- Compatible with a wide range of international faceplates
- Characterized up to 250 MHz
- Component level 3P certified



Description

Opterna category 6 shielded FTP jacks are designed and manufactured to meet and exceed the current and future requirements for high bandwidth and forms an essential element of the structured cabling system. The keystone jacks are highly reliable and offer optimal network performance.

The jack forms part of the faceplate as well as part of the modular patch-panel. Clear wire retaining caps are supplied which provide additional cable strain relief.

The keystone jack is enclosed in a metallic housing that provides immunity from electromagnetic interference and ensures proper grounding of the drain wire of F/UTP cables.

The keystone jacks are color-coded for both 568A and 568B standards and can be terminated using a standard 110 termination tool.

Applications

- Horizontal Distribution and Backbone Cabling
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000 BASE-T (IEEE 802.3)
- 155 Mbps ATM
- 100 Mbps TP-PMD
- Analogue Voice, ISDN, ADSL
- HVAC alarm systems and other signalling

Standards

- ANSI/TIA-568-C.2
- ISO/IEC 11801:2011 (Ed 2.2) Class E
- CENELEC EN 50173-1:2011
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60603-7-5

Technical data

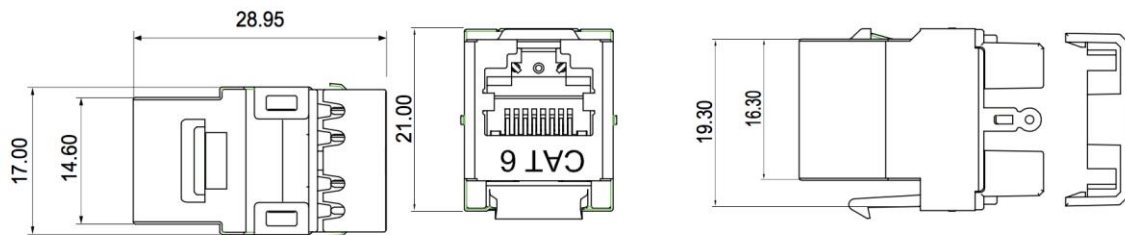
Mechanical data	Value
Dimensions (W x D x H)	See technical drawing
Material	Housing – UL 94 V0 High impact flame retardant plastic Jack contacts – Phosphor bronze alloy plated (50 micro-inch gold over 70-100 micro-inch nickel) IDC contacts - Phosphor bronze with 100 micro-inch tin Shield shell – Brass alloy plated with 30 micro-inch nickel
Total contact force	800 grams
Retention	50N
Insertion/extraction	750 cycles minimum

Electrical characteristics	Value
Current rating	1.5 Amps
DC resistance	200 mΩ max (per pin) / 100 mΩ max (per pin)
Contact resistance	2.5 mΩ max (IDC) / 20 mΩ max (insert)
Insulation resistance	500MΩ min (100V D.C)
Voltage rating	60V
Dielectric Withstanding Voltage	1000V, RMS @ 60Hz for 1 minute
IDC Wire Gauge	22-24 AWG

Environmental data

Temperature range	Value
Storage	-40° C to +70° C
Operation	-10° C to +60° C
Relative Humidity (operational)	Maximum non-condensing 93%

Technical drawing



Ordering information

Description	Part code
180° Cat 6 FTP Keystone jack with T568A/B label, Black	SCS-JA-C6-FTP-BK