

## Copper Structured Cabling, Keystone Jack, CAT5e UTP

### Features and benefits

- Category identification on the front side of the jack
- 50-micron gold plated contacts
- Universal color-coded according to T568A and T568B
- Compatible with 110 and Krone type termination tools
- Re-usable high-performance IDC contacts
- IDC termination points at 180° to jack
- Clear wire retaining caps for easy inspection
- Mounts in faceplates or patch panels
- Compatible with a wide range of international keystone faceplates
- Characterized up to 100 MHz
- Component level 3P certified



### Description

Opterna category 5e unshielded jacks are designed and manufactured to meet and exceed the current and future requirements for high bandwidth networks and are a critical component within the structured cabling system. Opterna keystone jacks are highly reliable and deliver 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 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
- 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 D
- CENELEC EN 50173-1:2011
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60603-7-2

### Technical data

Mechanical data	Value
Dimensions (W x D x H)	See technical drawing
Material	Housing – UL 94 V0 Flame retardant plastic

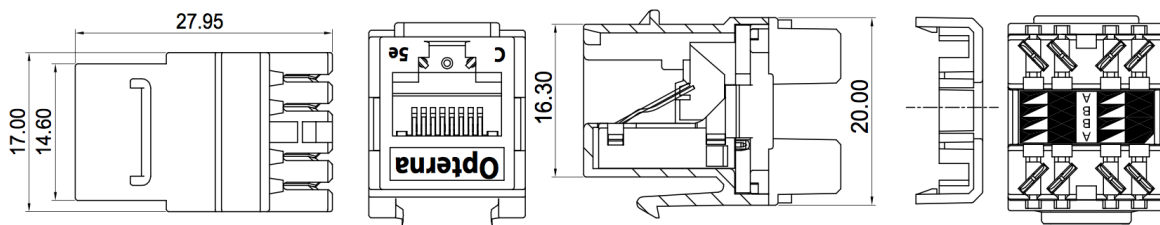
	Jack contacts – Phosphor bronze alloy plated (50 micro-inch gold over 100 micro-inch nickel) IDC contacts - Phosphor bronze with 100 micro-inch tin
Total contact force	800 grams
Retention	50N
Insertion/extraction	750 cycles minimum

Electrical characteristics	Value
Current rating	1.5 Amps
DC resistance	200 mΩ max (per pin)
Contact resistance	2.5 mΩ max (IDC), 20 mΩ max (insert)
Insulation resistance	500MΩ min (100V D.C)
Voltage Rating	60 V
Dielectric Withstanding Voltage	1000 V, RMS @ 60Hz for 1 minute
IDC Wire Gauge	22-26 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 5e Unshielded Keystone jack with T568A/B label, Black	SCS-JA-C5E-UTP-BK