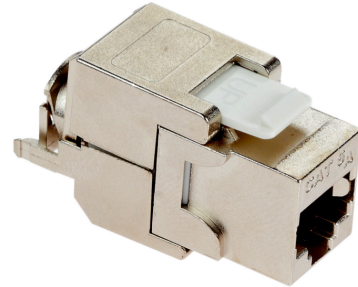


Copper Structured Cabling, Keystone Jack, Tool-less, CAT6A Shielded

Features and benefits

- Fully Shielded body reduces EMI/RF interference
- Tool-less jack design
- Category identification on the front side of the jack
- Universal color-coding according to T568A and T568B
- IDC contacts that allow re-termination for wiring changes without damaging the unit
- IDC termination point at 180° to jack
- Mounts in faceplates or patch panels
- Compatible with a wide range of international faceplates
- Characterized up to 500 MHz



Description

Opterna category 6A 180° tool-less keystone jacks meets and exceeds the requirements for 10G transmission. The keystone jacks are highly reliable and offers high network performance and are designed to provide optimal EMI protection with its 360-degree shield.

The jack is fully enclosed with a die cast zinc-alloy housing which provides total alien crosstalk protection. Compatible with 24-port snap-in patch panels and together with high quality performance, the category 6A jack provides flexibility for your field installation together with high quality performance. The jack also forms part of the faceplate.

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

Applications

- Horizontal Distribution and Backbone Cabling
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000/10G BASE-T (IEEE 802.3)
- 155/622 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 EA
- CENELEC EN 50173-1:2011
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60603-7-51

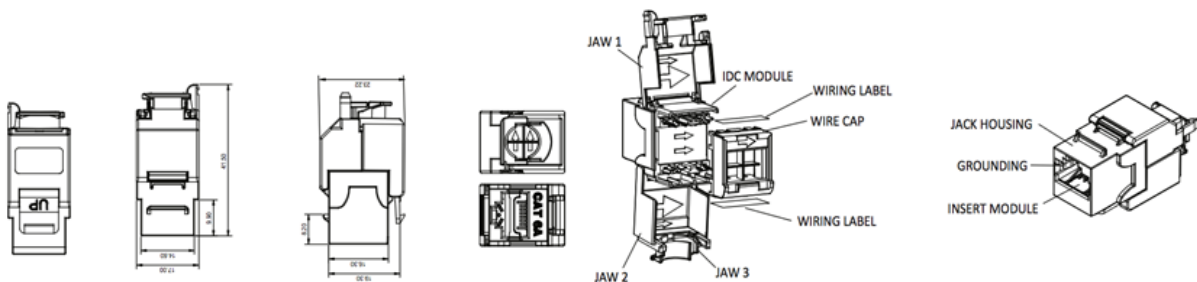
Technical data

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 100% Sn alloy Shield shell – Zinc-alloy fully shielded
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 (grounding)
Contact resistance	2.5mΩ max (IDC) 20 mΩ max (insert)
Insulation resistance	500MΩ min
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 6A Shielded Keystone jack with T568A/B label, Black	SCS-JA-C6A-FTP