

## Keystone Jack, FTP, RJ-45, Category 6

### Description

Opterna category 6 FTP keystone jacks are designed and manufactured to meet the current and future requirements for high bandwidth and forms an essential element of the structured cabling system. The jack forms the part of the faceplate as well as a part of the modular patch-panel. Clear wire retaining caps are supplied which provide additional cable strain relief.



### Structural Features

Category identification on the front side of the jack  
Universal color code according to T568B and T568A  
Two types of tools may be used for termination: 110 and Krone type  
Re-terminable IDC contacts that allow for wiring changes without damaging the unit.

### Application

Horizontal Distribution & 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  
ISDN, ADSL

### Specifications

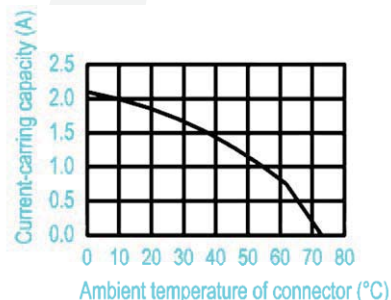
Complies with TIA/EIA-568-B-2.1, ISO/IEC 11801(Class E), CENELEC EN 50173 category 6 requirements.  
Complies to FCC Part 68 Subpart F

### Physical

Housing:	High Impact, flame retardant plastic, UL94V-0
Jack Contacts:	Phosphor Bronze plated with 50 micro-inch of gold over 70min. micro-inch of nickel
IDC Contact:	Phosphor Bronze with 100 micro-inch Tin.
Shield Shell:	Brass alloy plated with 30min micro-inch nickel.

### Electrical Characteristics

Current Rating:	As figure
DC Resistance:	0.1 ohm maximum
Contact Resistance:	20 mOhm
Insulation Resistance:	500 Megohms



# PRENET STRUCTURED CABLING SOLUTIONS



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Voltage Rating: 150 V  
Dielectric Withstand Voltage: 1000 V, AC RMS, 60 Hz/1 min

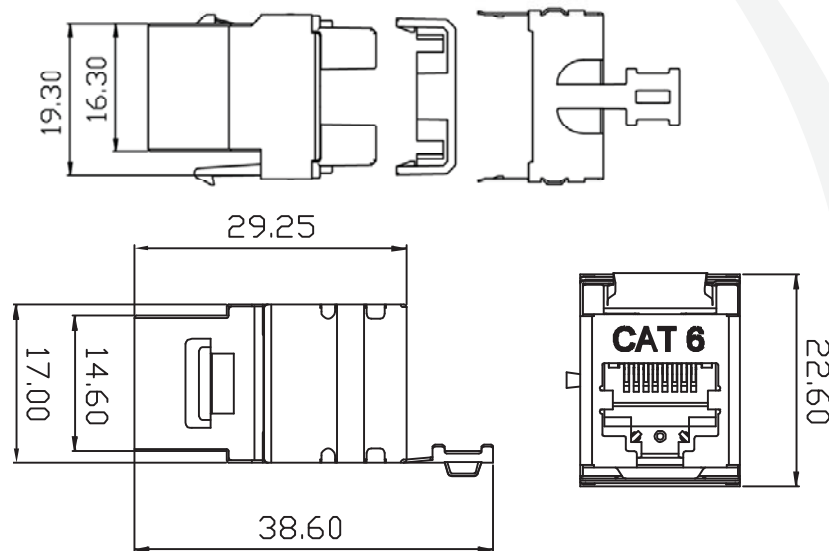
### Environmental Conditions

Temperature Range  
Storage: -40 to +70° C  
Operation: -10 to +60° C  
Relative Humidity (Operational): Maximum non-condensing 93%

### Mechanical

Total Contact Force: 800grams  
Retention: 50N  
Insertion/Extraction: 750 cycles minimum  
IDC Wire Gauge: 22 ~ 24 AWG

### Technical Specifications



### Ordering Information

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

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