



## Keystone Jack, UTP, RJ-45, Category 5e

### Description

Opterna category 5e 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 ensures 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 damage to 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, ISO/IEC 11801(Class E),  
CENELEC EN 50173 category 5e 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 gold over 100 micro-inch of nickel  
IDC Contact: Phosphor Bronze with 100 micro-inch 9:1 Sn-Pb alloy

### Electrical Characteristics

Current Rating: 1.5 A max  
DC Resistance: 0.1 ohm maximum  
Contact Resistance: 20 mOhm  
Insulation Resistance: 500 Megohms  
Voltage Rating: 150 V  
Dielectric Withstand Voltage: 1000 V, AC RMS, 60 Hz/1 min

### Environmental Conditions

Temperature Range  
Storage: -40 to +70<sup>0</sup> C  
Operation: -10 to +60<sup>0</sup> C  
Relative Humidity (Operational): Maximum non-condensing 93%

### Mechanical

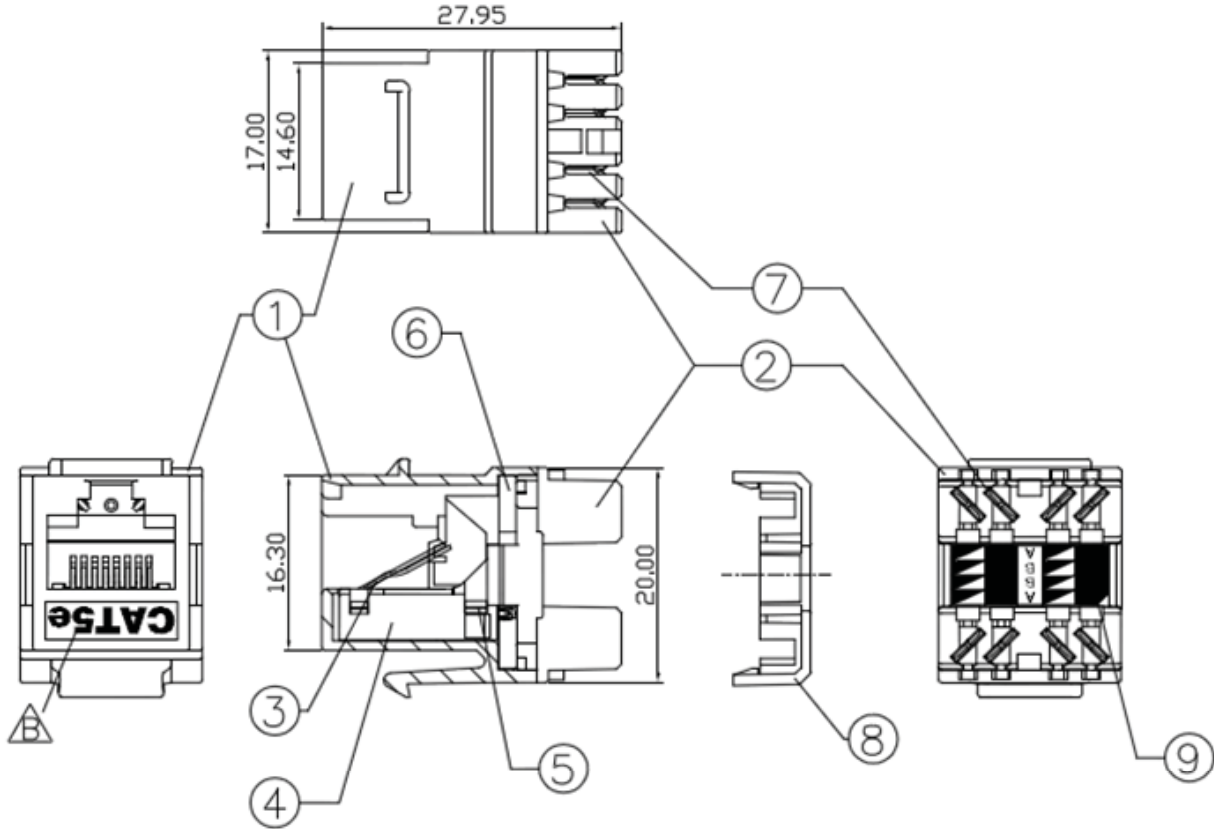
Total Contact Force: 800grams  
Retention: 50N  
Insertion/Extraction: 750 cycles minimum  
IDC Wire Gauge: 22 ~ 26 AWG

# PRENET STRUCTURED CABLING SOLUTIONS

Keystone Jack, UTP,  
RJ-45, Category 5e



## Technical Specifications



⑨	WIRING PASTER	1	PAPER
⑧	CAP	1	PC 94V0
⑦	IDC TERMINAL	8	P.B.
⑥	PCB	1	FR4
⑤	INSERT_BASE	1	PBT+30%
④	INSERT_COVER	1	PBT+30%
③	TERMINAL(8P)	1	P.B.
②	IDC SEAT	1	ABS 94V0
①	JACK HOUSING	1	ABS 94V0
No#	Description	Q'TY	MATERIAL

## Ordering Information

SCS-JA-C5e-UTP-BK 180° Cat 5e Keystone jack  
with T568A/B label, Black

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