

## CAT6A Unscreened Twisted Pair (U/UTP) Keystone Jack-Toolless



### FEATURES

- Supports Gigabit Ethernet
- Suitable for patch panel and faceplate mounting
- Suitable for installation in 27mm deep back box with bevelled faceplate
- LSA Punchdown Termination
- Independently Verified
- Lifetime Product Warranty
- Metalised cap protects against alien crosstalk

### DIAGRAM & DESCRIPTION

The OPTiLite Category 6A Shielded Keystone Jack, is a toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. The socket itself is housed in a high quality zinc die cast housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable to be terminated are fed into a management cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure.

### Applications

- 10GBASE-T
- Ethernet, VoIP, IP-Camera, and the Voice/Data connection point in the Work Area Subsystem/ Administration Subsystem/ Equipment Room Subsystem of Cabling Systems



### TECHNICAL SPECIFICATIONS

#### ELECTRICAL

Current Rating: 1.5 Amps  
 Insulation Resistance :  $\geq 500 \text{ M}\Omega$   
 Contact Resistance :  $\leq 10 \text{ m}\Omega$   
 DC Resistance :  $\leq 0.1 \Omega$   
 DC/AC Volt Endurance : DC1000V/AC750V 1min

#### MECHANICAL

Plug Insertion Life  $\geq 750$  Cycles WITH FCC COMPLIANT RJ-45 PLUG  
 Plug & Jack Contact Force  $\geq 100$  Grams WITH FCC COMPLIANT RJ-45 PLUG  
 Plug Retention Force:  $\geq 11$  lbf  
 DURABILITY: 200 TERMINATION CYCLES  
 OPERATING TEMPERATURE :  $-10^{\circ}\text{C}$  OPERATING HUMIDITY:  $10\% \sim 90\% \text{RH}$   
 STORAGE TEMPERATURE :  $-40^{\circ}\text{C}$  TO  $68^{\circ}\text{C}$

#### PHYSICAL

Housing : High impact flame retardant plastic, UL 94V-0 rated  
 PCB: FR-4, 1.2mm Thickness  
 Jack Wire: 0.35mm Phosphor bronze gold over nickel plating  
 IDC CONDUCTOR 0.5mm Phosphor bronze, tin-plating  
 CONTACT COMPATIBILITY: ACCOMMODATES 23 TO 24 AWG SOLID

#### STANDARDS VERIFICATION

ANSI/TIA-568-C.2 ;  
 ISO/IEC 11801 :2002/Amd.2:2010 ;  
 YD/T 926.3-2009 ;  
 ISO/IEC 60603-7 COMPLIANT ;  
 RoHS directive 2002/95/EC compliant

### System Warranty:

The OPTiLite Cabling System Warranty provides a 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited OPTiLite Partner who has designed, supplied and installed the said system.

