

# Category 6 UTP Keystone Outlet



Category 6 UTP RJ45 keystone jacks conform to class E performance. The Press-Fit technology is able to complete the insertion of the IDC and RJ-45 contacts into a PTH (Plated-Through Hole) on a PCB (Printed Circuit Board). The connection is established without using solder. Press-Fit technology connections avoid quality problems such as cold Spots, voids, splatters, and cracks and its highly reliable than soldering. Press-Fit technology does not use Solder, it uses no lead (Pb) and there is no extra heat on the connections, it makes the connections clean, Reliable, and meets RoHS standards.

## Features

- Innovative Press fit Technology to be fully RoHS compliant (No Solder – No Leads)
- Integrate with T568A and T568B wiring Diagram.
- Fast Termination with One Punch Keystone Tool.
- ANSI/TIA 568.2-D
- IEC/ISO 11801, IEC60603-7-41

## Mechanical Specifications

Contact Material	: Gold Plated with Nickel Undercoat
Plastic Housing	: ABS UL94V-0
Plug Insertion Life (RJ45 Contacts)	: ≥ 750 Cycles
Plug and Jack Contact force	: ≥ 100 Grams
Plug retention Force	: ≥ 11lbf
Durability (IDC Life)	: 200 termination cycles
Wiring Pattern at rear end	: T568A & T568B
Plastic Parts type	: High quality Engineering plastic
PCB Material & Thickness	: FR-4, 1.2mm thickness
Jack wire material and thickness	: 0.35mm Phosphor bronze gold over nickel plating
IDC Conductor	: 0.5mm Phosphor bronze , Tin-plating
Contact Compatibility	: Accommodates 23 to 26AWG solid
Design	: 180 degree

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## Electrical Specifications

Insulation Resistance	: ≥ 500mΩ
Contact Resistance	: ≤10mΩ
Current rating	: 1.5 Amps
DC Resistance	: ≤ 0.1Ω
DC/AC Volt Endurance	: DC1000V/AC750V 1min
Minimum Return loss	: 16
Maximum Insertion loss	: 0.32
Minimum NEXT loss	: 46
Minimum FEXT loss	: 35.1
Minimum TCL	: 20
Minimum TCTL	: 20
Propagation Delay	: <2.5 ns
Propagation Delay Skew	: <1.25 ns

## Environmental Specifications

Operating Temperature	: -10°C to + 60°C
Storage Temperature	: -40°C to + 70°C
Operating Humidity	: 10% to 90% PH

## Regulatory Compliances/Certifications

- ETL Verified
- UL Listed
- RoHS Compliant

## Ordering Information

Product Code	Description
12200	Keystone Unshielded Outlet, 180DG, C6, Blue
12203	Keystone Unshielded Outlet, 180DG, C6, Yellow
12204	Keystone Unshielded Outlet, 180DG, C6, White
12206	Keystone Unshielded Outlet, 180DG, C6, Black