

## Category 5e Unshielded RJ-45 Keystone Jacks



### Description

HCS DataLink 100e patented unshielded copper RJ-45 keystone jack series includes high performance Category 5e snap-in 8-position/8-contact (8P8C) jacks conforming to IEC 60603-7-2 (unshielded 100 MHz connectors).

HCS DataLink 100e jacks are designed for fast and easy snap-in and out of wall plates, patch panels and surface box outlets.

All HCS DataLink 100e jacks are designed in a 90° formation and are available with back interconnection of 110 IDC blocks or special LSA-Plus/110 IDC combination blocks in T568A, T568B or Universal pin/pair assignment.

All jacks fully conform to ANSI/TIA/568-C.2 Category 5e, CENELEC EN 50173 and ISO/IEC-11801 (2nd Edition) requirements.

The HCS Logo and the DataLink 100e Trademark ensure long lasting high-performance and full support of all relevant applications, including 1000BASE-T (Gigabit-Ethernet).

### Applications

HCS DataLink 100e unshielded copper RJ-45 keystone jacks are used in wall plates, patch panels and surface box outlets and they fully support all relevant LAN applications, including the following protocols:

- 1000BASE-T Gigabit Ethernet
- ATM 155
- TP-PMD
- 100BASE-T Fast Ethernet
- 100BASE-T2
- 100BASE-T4
- 100BASE-TX
- Token Ring 100 Mbps
- ATM 52
- ATM 25
- 10BASE-T Ethernet
- Token Ring 4 Mbps and 16 Mbps
- Broadband and Baseband Video
- ISDN Basic and Primary Access
- 1BASE-5 Starlan
- ISALAN
- ITU V.21 and X.11

### Qualifications and Approvals

HCS DataLink 100e jacks are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system. HCS DataLink 100e jacks comply to IEC 60603-7-2 (unshielded 100 MHz connectors) and to the following standards:

Transmission	EMC	Safety
<ul style="list-style-type: none"> <li>❑ ANSI/TIA/568-C.2</li> <li>❑ ISO/IEC-11801</li> </ul>	<ul style="list-style-type: none"> <li>❑ EN-55022, Class B (Europe)</li> <li>❑ FCC Part 68</li> </ul>	<ul style="list-style-type: none"> <li>❑ UL94 V-0 plastic materials</li> <li>❑ Zero-halogen in LSOH constructions</li> </ul>

### Benefits & Features

- ✓ Exceptional material properties and design - providing a unique Century™ Lifetime Warranty.
- ✓ Patented 90° or 180° design - providing easier access, better and faster wire connection.
- ✓ Detailed installation manual in English and Turkish - providing clear and comprehensive instructions.
- ✓ Exceeding Category 5e performance - providing full support to Gigabit Ethernet.
- ✓ Robust and installer-friendly design - providing reduced installation and operating costs
- ✓ Compatible with 22-26 AWG solid or stranded conductors - providing support to a wider range of cabling types.
- ✓ Available in T568A, T568B or Universal pin/pair assignment - providing a wider product range.
- ✓ Unique DoubleSafe™ Quality Assurance Program - providing lowest rejection rate available.

### General Properties

Housing Material	High impact, Flame-retardant plastic compound, UL 94 V-0.
Jack Contacts Material	50 micro-inches gold plating over 100 micro-inches nickel plated copper alloy.
Environmental conditions	-40 to +60C at 0-90% RH (Non condensing)
Packaging	50 or 100 Units per box.
Plug Retention Force	14 Kgf (140N) min.
Plug to jack contact force	100 gr min. (using HCS approved plug).
Storage Temperature	-20 to +80C
Plug insertion durability	750 mating cycles
Conductor compatibility range	22 to 26 AWG, solid or stranded
Standard Color	White RAL 1013. Other colors available upon request.