



Description

HCS DataLink 250E patented shielded copper RJ-45 keystone jack series includes high performance Category 6 snap-in 8-position/8-contact (8P8C) jacks conforming to IEC 60603-7-5 (shielded 250 MHz connectors). HCS DataLink 250E jacks are designed for fast and easy snap-in and out of wall plates, patch panels and surface box outlets. All HCS DataLink 250E jacks are designed in a 90° formation and are available with back interconnection of 110 IDC blocks in T568A, T568B or Universal pin/pair assignment. All jacks fully conform to and provide a substantial margin above all ANSI/TIA/568-C.2 and ISO/IEC-11801 (2nd Edition) Category 6 component requirements, tested at the component level and officially witnessed by ETL. All jacks are fully shielded with high quality, corrosion resistant metal shield case. The HCS Logo and the DataLink 250E Trademark ensure long lasting high-performance and full support of all relevant applications, including 1000BASE-TX (Gigabit-Ethernet over Category 6).

Applications

HCS DataLink 250E shielded 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:

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

Qualifications and Approvals

HCS DataLink 250E jacks are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system. HCS DataLink 250E jacks are tested and ETL verified as components and they comply to IEC 60603-7-5 (shielded 250 MHz connectors) and to the following standards:

TRANSMISSION	EMC	SAFETY
<input checked="" type="checkbox"/> ANSI/TIA/568-C.1	<input checked="" type="checkbox"/> EN-55022, Class B (Europa)	<input checked="" type="checkbox"/> UL94 V-0 rated plastic materials
<input checked="" type="checkbox"/> ANSI/TIA/568-C.2	<input checked="" type="checkbox"/> FCC Part 15, Subpart J, Class A (USA)	<input checked="" type="checkbox"/> Zero-halogen in LSOH constructions.
<input checked="" type="checkbox"/> ISO/IEC-11801		

Benefits & Features

- Exceptional material properties and design - Providing a unique Century™ Lifetime Warranty.
- Patented 90° design - Providing easier access, better and faster wire connection.
- High quality corrosion-resistant metal shield casing - Providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- Detailed installation manual in English and Turkish - Providing clear and comprehensive instructions.
- Exceeding Category 6 performance - Providing full support to Gigabit Ethernet over Category 6.
- 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.
Overall Shield	Fully shielded corrosion-resistant metal casing.
Jack Contacts Spring Material	High strength phosphor bronze or beryllium copper alloy.
Jack Contacts Plating	1.27 µm gold plating over 2.5 µm nickel or palladium nickel gold composite.
IDC Contacts Material	High strength phosphor bronze or beryllium copper alloy.
IDC Contacts Plating	Tin/lead composite, 5µm min. thickness.
Operating Environmental Conditions	0 to +60C at 5-95% RH (Non condensing)
Storage Environmental Conditions	-40 to +66C at 5-95% RH (Non condensing)
Packaging	50 or 100 units per box.
Plug to Jack Retention Force	49N min.
Plug to Jack Mating Force	9N max. for 8 wire jack.
Terminated Wire Retention Force	Axial pullout force: 9N min. Normal pullout force: 44N min
Insertion/Extraction Durability	750 mating cycles conforming to IEC 603-7 Level A durability.
IDC Termination Durability	200 terminations min. acc to TIA/EIA 568B.2 requirements.
Conductor Compatibility Range	22 to 26 AWG, solid or stranded
Standard Color	White RAL 1013. Other colors available upon request.