



### Description

HCS DataLink unshielded copper RJ-45 to TELCO patch panel series includes high performance 24-Port and 48-Port Category 5E panels specially designed for data-centers for structured premise cabling in local area networks (LANs).

HCS RJ-45 to TELCO patch panels are available in two optional configurations:

- 4-Pair CAT 5E RJ-45 to TELCO panels provide one TELCO back interconnection 25 Pair block for each module of 6 RJ-45 ports, ready for 25 Pair TELCO patch-cords (RJ-21). This configuration supports all CAT 5E applications, including 1GBASE-T.

- 2-Pair CAT 5E RJ-45 to TELCO panels provide one TELCO back interconnection 25 Pair block for each two modules of 6 RJ-45 ports, ready for 25 Pair TELCO patch-cords (RJ-21). In this configuration, only two pairs in each RJ-45 port are terminated:

Pins 1-2 and 3-6, providing 10BASE-T and 100BASE-TX support only. All panels fully conform to and provide a substantial margin above all 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 to TELCO patch panels are used mainly in data-centers and telecommunications rooms 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 100E panels are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system.

HCS DataLink 100E panels comply to the following standards:

#### TRANSMISSION

- ANSI/TIA/568-C.2
- ISO/IEC-11801 (2nd Edition)

#### EMC

- EN-55022, Class B (Europe)
- FCC Part 15, Class A (USA)

#### SAFETY

- UL94 V-0 rated plastic materials
- Zero-halogen in LSOH constructions.

### Benefits & Features

- ➔ Exceptional material properties and design - Providing a unique Century™ Lifetime Warranty.
- ➔ Detailed installation manual in English and Turkish - Providing clear and comprehensive instructions.
- ➔ Exceeding Category 5E performance - Providing full support to Gigabit Ethernet.
- ➔ High quality metal casing - Providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- ➔ Robust and installer-friendly design and Printed labels for port identification - Providing reduced installation and operating costs.
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

### GENERAL PROPERTIES

Material of Construction	Galvanized Steel.
Paint and Standard Color	Black, Powder paint finish or plastic front.
Connector Module Holder	High impact, Flame-retardant plastic compound, UL 94 V-0.
Housing Material - Jack & IDC	High impact FR plastic rated UL 94 V-0.
Jack Spring Contact Coating	1.27µm (50µ-Inch) hard Gold over 2.54µm (100µ-Inch) Nickel plating.
Plug Retention Force	14 Kgf (140N) min.
Plug to Jack Contact Force	100 grams min. (using HCS approved plug).
Plug Insertion Durability	750 mating cycles
Storage Temperature Range	-40 to +70C
Operation Conditions	-20 to +60C at 0-90% RH (Non condensing)
Packaging	One unit per box.