

**Disconnection Magazine****TELECOM OUTSIDE PLANT**

The UCS (Universal Connection System) family of products provides a reliable, quick and easy to use system for wire management.

The UCS Disconnection Magazine utilises an insulation displacement contact (IDC). This provides fast and reliable wire termination while eliminating time-consuming wire stripping and wrapping or soldering.

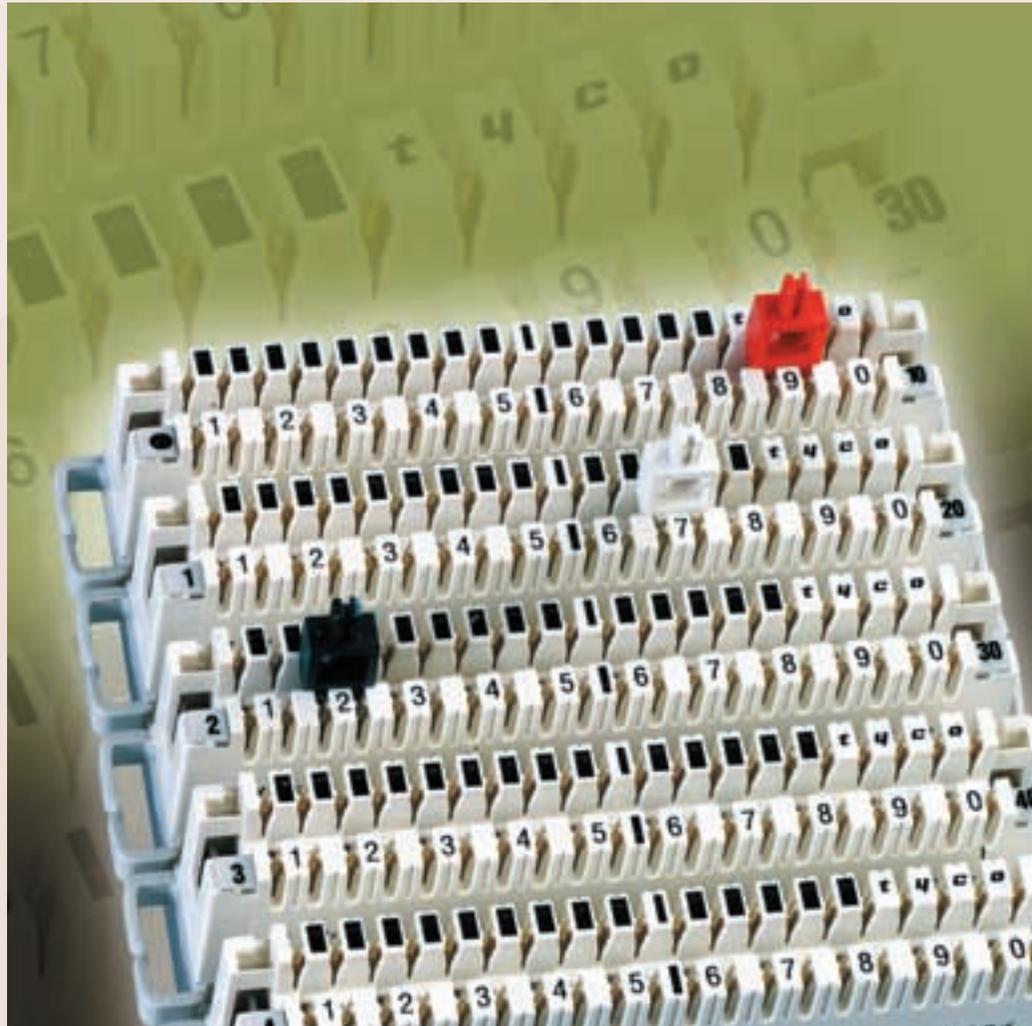
The design of the IDC terminals allows it to terminate a variety of wire sizes and insulation types. It will accept 0.40 mm to 0.64 mm (26 to 22 AWG) solid wire.

The contact will terminate hard PE wire insulations as well as the more common PVC insulation. It's made of silver plated brass alloy.

The UCS-DM is a 10-pair magazine designed for applications in which there is or will be a need for protecting, testing or breaking the circuits. This includes distribution frames and on customer premises, as well as in outside plant installations.

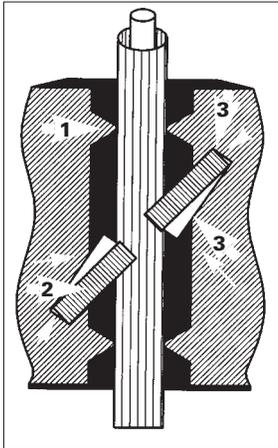
The plastic magazine surrounds each IDC terminal, making installation and tracing of wires simpler. All the terminals are recessed within the housing, providing an electrically "dead front" which virtually eliminates short circuits on the front face. Its design provides built-in break access capability which can be used for testing in both directions, for monitoring circuit performance or for circuit disconnection.

A wide range of protection options is available, as is a broad selection of accessories, such as test/patch-cords, magazine label holder, hinged label holder, circuit marker and line-opening plugs.



UCS-DM

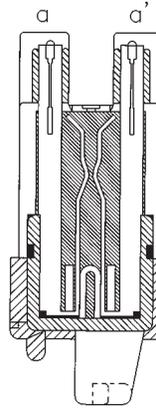
# UCS-DM



## The contact difference

Provides an easy installation, quality of connection and durability.

- 1 Insulation clamping ribs hold the wire securely and isolate the contact area from vibration and mechanical stress.
- 2 Silver-plated contact tags at 45-degree angles across the axis of the wire make a solid, gas-tight connection.
- 3 Unique axial and torsional restoring forces maintain a durable connection.



## Contacts technique

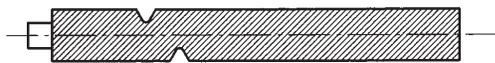
The basic functional units are the contacts which consist of contact slots with flexible contact tags arranged at 45° to the axis of the wire and the plastic clamping ribs.

By pressing the wire in with the installation tool, the insulation is cut through and the wire is pushed between the flexible contact tags. By the displacement of the insulation and the constant torsional restoring force, two permanent, gas-tight contact points are created.

The clamping ribs tightly grip the wire on both sides of the contact point, so that the connection can not be broken by mechanical shocks.

A connection is made through one contact on the cable side (a) and one on the jumper side (a') of the connection module.

## Effects of the contact on wire



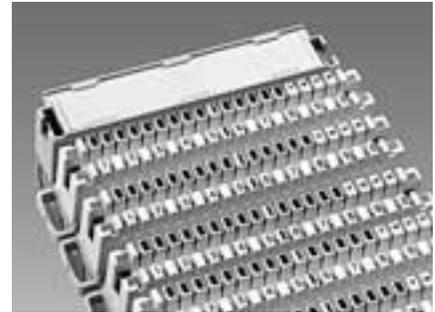
Positioning contacts at a 45° angle leaves more wire between contact points and provides a more reliable, stress-resistant connection.



Overvoltage magazine



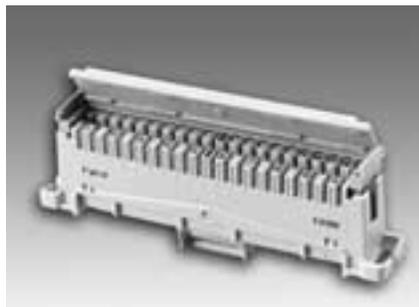
Test cords



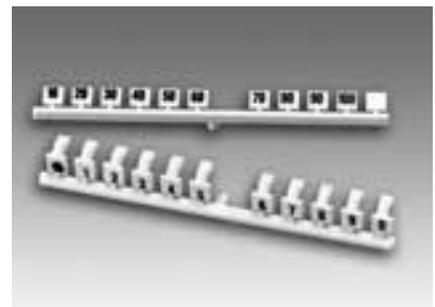
Magazine label holder



Installation tool



Hinged label holder



Numbering set

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