Independent Third-Party Verification
Product Information

HellermannTyton Connectivity has grown its reputation over the last three decades based on the quality, performance, and reliability of its structured cabling solutions.

In a saturated market it is important to ensure our product remains head and shoulders above the rest, which is why it is pivotal that the HTC series of Category 6 and Category 6A solutions are independently tested and verified by a reputable third-party test laboratory.

HellermannTyton Connectivity use both Force Technology and 3P Test. Both laboratories have served the structured cabling industry for many years and gained notoriety for their strict testing procedures, quality of their test equipment and high level of technical knowledge. Click the logos below to view all certificates.

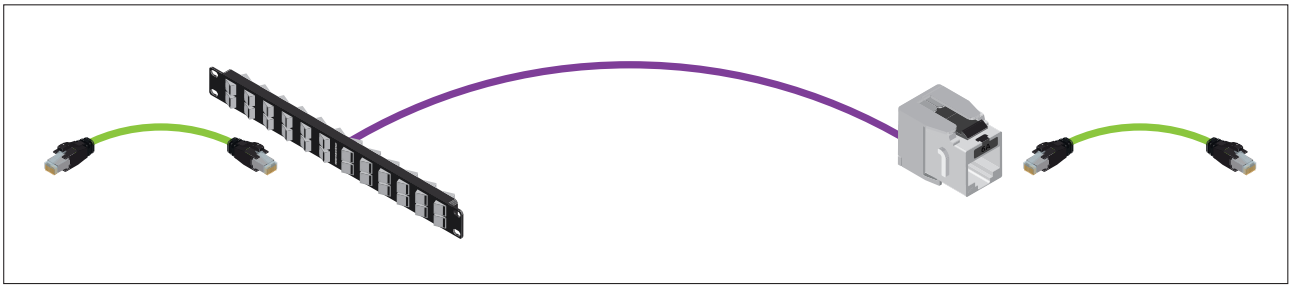
Channel Testing

Channel Testing requires the manufacturer to select and terminate products to create a typical channel link.

This can range between a two-connector model up to a four-connector model for CAT6A or six-connector model for CAT6.

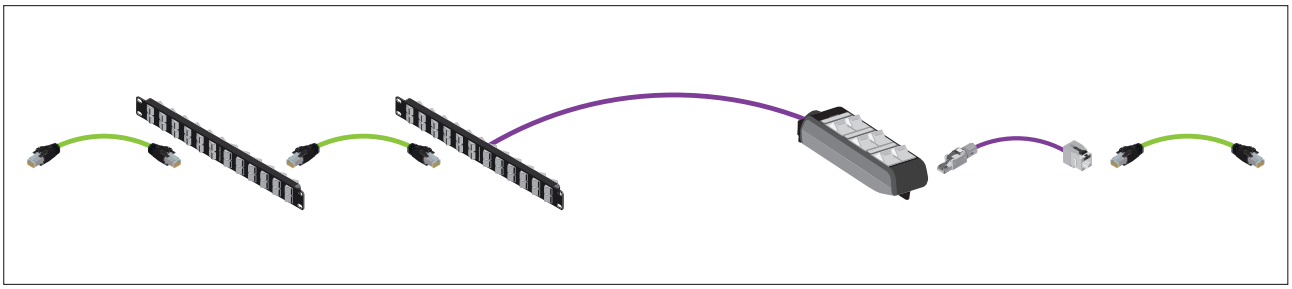
A **two-connector channel** would be made using;

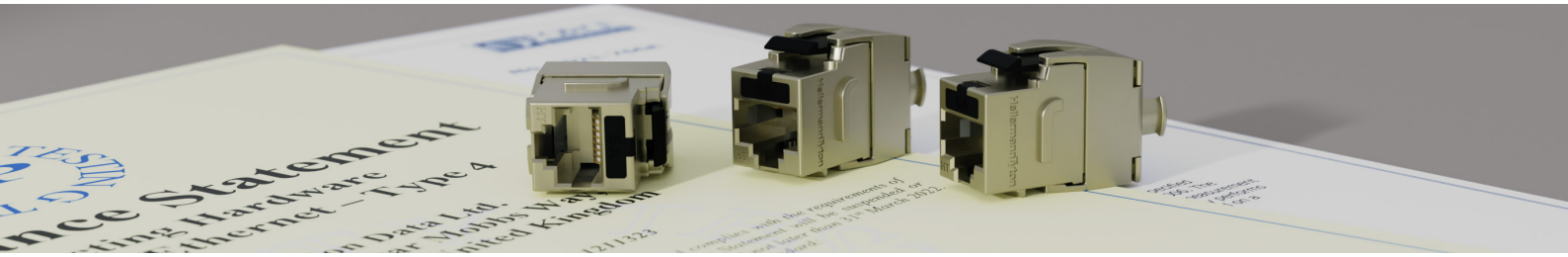
Equipment Patchcord > Patch Panel > Work Area Outlet > User Patchcord



A **four-connector channel** usually represents a cross-connect and would be made using;

Equipment Patchcord > Patch Panel > Equipment Patchcord > Patch Panel > Consolidation Point > Work Area Outlet > User Patchcord





Independent Laboratory Testing

Whichever type of channel link the manufacturer decides to have tested they must terminate the link and send to the independent test laboratory.

The test lab will run tests on the channel link in accordance with the latest and relevant standards including ISO, EN & TIA.

If the channel passes the requirements, then a certificate is issued which confirms that the entire link meets channel performance, the certificate will also list the components used to create that link.

Channel Testing

A channel test can be easier to achieve and despite independent testing it does not guarantee that the standalone products meet the relevant standards. For example, you may have a marginal or sub-standard performing outlet, however, the channel passes testing as the performance is compensated by other components.

This is important to note as networks are only as good as their weakest link, there is no guarantee that the marginal or sub-standard product will not begin to fail after some time, eventually requiring replacement and causing costly downtime.

Component Level Testing

The other method of testing is what we refer to as Component level, this type of test is much more stringent as it tests the standalone component+. If the product passes it is verified as component compliant and a certificate is issued**, again the certificate will detail the product code and/or family code if there are variations such as colour, port count, lengths etc…

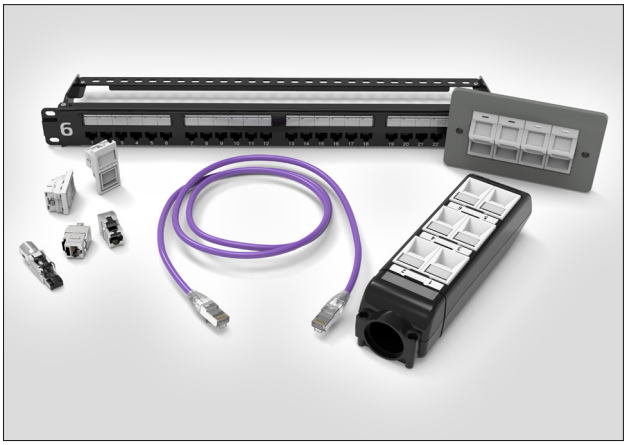
Component level testing is the highest form of verification for performance you can achieve. If a product is certified as component compliant then it guarantees performance when installed correctly, weather it is part of a full manufactures system or as part of an unwarranted hybrid solution. There is no way for a manufacturer to hide marginal or sub-standard products with component level testing.

Component Compliant Systems

HellermannTyton Connectivity have chosen component level testing for the HTC range of Category 6 and Category 6A products. This proves our dedication for quality, performance, and reliability of our product solutions. It also guarantees true performance when installed correctly by an authorised installer.

We are currently the only UK manufacturer to have a component compliant Category 6 UTP system where industry standard PCB punch down panels and PCB Punch down Euro / 6C modules are used.

Component COMPLIANT



** For clarification certificates and listings awarded by the independent test labs use the term ‘Connecting Hardware’ which the industry recognises broadly as Component Compliant.

+ There are two product exceptions when referring to component compliant.

1. Field installable RJ45 plugs cannot be currently tested as a standalone component, this is because no standards exist around specific performance of an RJ45 plug. The standards that exist dictate the mechanical structure. They can only be tested and certified as part of a link. As the field installable RJ45 plugs have been designed to create MPTL (Modular Plug Terminated Links) this is the best form of certified test to achieve.

2. Cable is not classed as a component; however cable can still be tested as a standalone product for electrical performance characteristics. The certificate and listing should state ‘Communications Cable, Category XX’

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