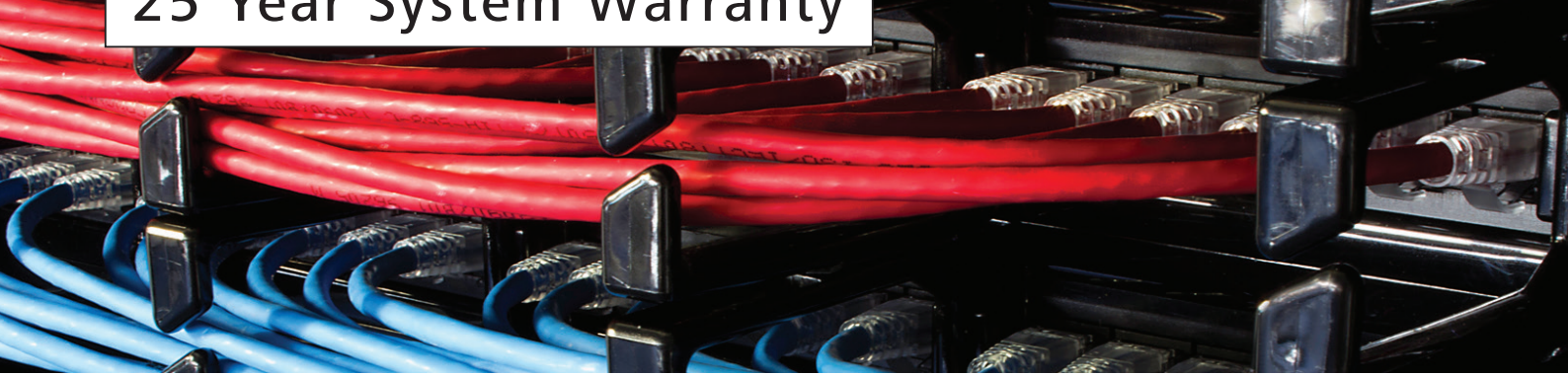


25 Year System Warranty



Installer Information

Warranty Test Requirements:

1. Installation and testing must be completed or supervised by at least one individual trained and certified on the appropriate HellermannTyton training course (ie: C6A/Class E_A, C6/Class E & C5e/ Class D or fibre course).
2. Handheld testers must be HellermannTyton approved and capable of testing and recording copper and or fibre performance against the relevant standard. A full list of approved handheld testers is shown overleaf. For the avoidance of doubt OTDR based fibre testers and non-recording light source power metre (LSPM) fibre testers are not approved test equipment.
3. Testers and accessories (eg: permanent link adapters, channel adapters and test leads) must be in good working order and up to date with the latest firmware and database revisions.
4. Testers must be covered by a valid manufacturer's calibration certificate.
5. Full site test data must be submitted to HellermannTyton within 28 days of the final test date.
6. Permanent link test results must be supplied for all permanent links to be included in the warranty. Links where test results have not been supplied will not be covered by the warranty and will be excluded from any future claims.
7. If a channel warranty is required (eg: C6A/Class E_A), permanent link data must be submitted for all permanent links to be included in the warranty together with evidence that HellermannTyton patch cords are being used throughout (eg: purchase evidence of the required number of patch cords).
8. Channel test results will not be accepted in either link or channel warranty applications.
9. For the avoidance of doubt, the warranty for a C6A/Class E_A installation is only available as a channel warranty (ie: a permanent link warranty is not available for C6A/Class E_A systems). All other categories (eg: C6/Class E, C5E/Class D or fibre) are available as either a channel or permanent link warranty.
10. C6A/Class E_A systems (shielded or unshielded) do not require field alien cross talk testing to qualify for a warranty. HellermannTyton C6A systems are designed to minimise alien cross talk and will meet standards requirements when installed by a trained installer following Hellermann-Tyton guidelines.
11. All test results should show a pass against the relevant limit line.
12. Marginal passes are generally not acceptable and will be the subject of further investigation. If test data contains marginal passes, HellermannTyton must be notified prior to warranty application submission and provision must be made for HellermannTyton, at its discretion, to inspect the installation on site without restriction. Failure to comply may result in a warranty application being refused.
13. Any links/channels that show a fail result will be excluded from the warranty.
14. Any links/channels that fall outside the normal design guidelines of the chosen cabling standard (e.g. over 90m length links) will be excluded from the warranty.
15. For switch/harness links (ie: patch panel to RJ45 plug), cable assemblies must be manufactured by HellermannTyton using RJ45 plugs and solid cable. Field terminated plugs are not accepted as part of a warranted system. The link should be tested as a permanent link using a permanent link adapter and a channel adapter.
16. The appropriate test requirement depends on the system to be warranted and the end user's requirements and specifications (see point 16 below):
 - a. *Copper field terminated products*: all copper links must be 100% performance tested to the standard for which the products are designed and the warranty is being applied for.

Approved Installer Status

- To be registered as a HellermannTyton approved installer, an installation company must have at least 1 employee attend the basic C6/Class E & C5e/ Class D HellermannTyton Academy training course as a minimum requirement.
- If the installation company is installing C6A/Class EA or fibre systems then at least 1 employee must also attend the relevant C6A/Class EA or fibre HellermannTyton Academy training course. Attendance at only the C6A/Class EA or fibre HellermannTyton Academy training course does not qualify an installation company for HellermannTyton approved installer status.
- The installation company is the HellermannTyton approved installer, not the individual. For the avoidance of doubt, if a HellermannTyton Academy trained individual moves to a different installation company, the new installation company does not have HellermannTyton approved installer status.

Warranty Test Requirements cont'd

- b. *Fibre field terminated products*: all fibre links terminated on site must be 100% performance tested and demonstrate compliance against the relevant cabling standard.
 - c. *RapidNet copper products*: a reduced test requirement of 1 link performance test to the standard for which the products are designed and the warranty is being applied for and 5 continuity tests per 6 way cable bundle.
 - d. *RapidNet fibre products*: all fibre links must be 100% performance tested and demonstrate compliance against the relevant cabling standard.
17. Performance testing may be completed to the latest published versions of any of the cabling standard specifications ISO11801, BS/EN50173 or ANSI/TIA/EIA 568-C depending on the End User's requirements. The HellermannTyton 25 year warranty will be issued to the relevant cabling standard for which test results have been submitted. This will be documented on the Certificate of Conformance.

Warranty Documentation:

1. Full test data must be submitted in the original test equipment format (eg: ".flw" if using a Fluke tester). PDF or other formats are not acceptable.
2. A completed HellermannTyton 25 year system warranty application form containing the following:
 - a. Name and certification number of HellermannTyton approved installer.
 - b. Name and certification number of HellermannTyton academy trained individual completing or supervising the installation and testing.
 - c. Name of End User organisation.
 - d. Client contact name and details.
 - e. Site name and location.
 - f. Project/site details.
 - g. Information on HellermannTyton products installed.
3. Copy of tester calibration certificate where available or other evidence of calibration (eg: tester calibration data included in test reports).

Approved Handheld Network Testers:

1. Fluke DTX 1200/1800
2. Fluke Versiv
3. Ideal Industries LanTek II Series Cable Certifier
4. Psiber WireExpert

HellermannTyton reserves the right to modify these Test and Documentation Requirements at any time without notification.

It is the installers' responsibility to ensure compliance with the latest requirements. Up to date requirements are available on the HellermannTyton website, www.htdata.co.uk.

HellermannTyton

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