

# COBICABLING WARRANTY

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## 1. System warranty

The guarantee of the CobiCabling system ensures that for a period of 25 years from the date of certification there will be no material defects or processing defects in the cabling system and that the system will be able to transmit audio signals and data in accordance with the standards according to which it was designed, manufactured and certified.

To qualify for warranty, the entire installation must be made with products that are new at the time of installation and from CobiCabling or approved strategic partners. In addition, the installation must be carried out by a Certified CobiCabling Installer.

A necessary condition for obtaining a 25-year CobiCabling system warranty is to provide positive measurement results, a copy of the calibration certificate of the meter used to perform the measurements and a completed application form (application form available for download from the website [cobicabling.com](http://cobicabling.com)). A certified CobiCabling Installer submits the above-mentioned documents via the Internet, by e-mail or by post.

The CobiCabling Technicals verifies sent measurements and examines the application within 3 working days, then sends back the information to the Installer via e-mail, together with the guarantee certificate in case of positive verification. The warranty certificate is issued with a date corresponding to the date of the last test.

If the certified CobiCabling Installer does not pay in full for the goods delivered under the guarantee, in accordance with these conditions, then the guarantee is cancelled. In such a case, the end-user will be notified immediately. It is the responsibility of the certified CobiCabling Installer to inform the end-user about the conditions under which the warranty is granted.

## 2. What does the warranty cover?

The warranty covers copper and fiber optic connections from the patch panel to the outlet and/or from the patch panel to the patch panel. The warranty covers components and applications. This means that if a component in the link is not working or if the structured cabling does not support the application for which it has been tested (e.g. Gigabit Ethernet), then a warranty claim can be made.

All links must be installed and tested in accordance with CobiCabling guidelines and industry standards to be eligible for warranty. The following items may be covered by the warranty, provided they have been tested and included in the warranty claim:

- Horizontal copper and fiber optic connections (patch panel to socket)
- copper and optical fibre connections in cable racks (patch panel to patch panel within one distribution point)
- copper and fibre backbone connections (patch panel for patch panels between distribution points)
- copper and fiber optic patch cables

## 3. Dealing with the problem

If, during the warranty period, there is a lack of ability to transmit audio and data signals in accordance with the standards for which the scheme is certified and the CobiCabling Structural Cabling Scheme is at fault, CobiCabling or its installer shall, at its sole discretion, replace or repair the individual components of the scheme that it will be necessary to replace or repair in order to enable the transmission of these signals.

CobiCabling will not perform any action under this warranty if:

- there will be no violation of the limits specified in the standards for which the system is certified,
- the user will repair or order other unauthorized persons to repair or modify the elements without the written consent of CobiCabling,
- the results of the measurements were manipulated,
- the components of the cabling system are or have not been used and operated as intended,
- components have been damaged or incorrectly installed,
- the components are or have been operated in an environment that does not comply with the product specification,
- Damage caused by thermal, chemical, electrical or electrolytic factors will occur,
- in relation to damages outside the scope of CobiCabling impact, such as fire, flooding, lightning, explosions, war, earthquakes and force majeure.

If a claim is made during the warranty period, the warranty recipient must provide CobiCabling with the following information:

- a detailed description of the problem,
- as-built documentation,
- a copy of the delivery notes and invoices for the installed system components,
- a report on the maintenance work undertaken since the installation,
- a copy of the measurement values of the cabling system constituting the basis for network certification.

CobiCabling is entitled at any time to carry out tests and examine the structural cabling system on site. All costs related to the search and analysis of faults in the CobiCabling cabling system are covered by the warranty recipient, unless the complaint proves to be justified.

CobiCabling shall cover the costs of replacement or repair of the claimed structural elements by a certified installer appointed by CobiCabling. CobiCabling may use structurally new elements for the replacement, ensuring at least the same category as the elements for which the complaint has been submitted. Disassembled and replaced elements will be made available to CobiCabling free of charge.

CobiCabling shall not be liable for consequential or indirect damages, including but not limited to loss of financial benefits resulting from the design, sale or use of CobiCabling products. This exclusion of liability also applies to cases where CobiCabling has been notified in advance of the possibility of such damage.

CobiCabling expressly excludes any other warranty claims, express or implied, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose.

The CobiCabling system warranty expires automatically upon expiry of the 25-year warranty period from the date of issuance of the warranty certificate or in the case of modifications to the CobiCabling system without the written consent of CobiCabling.

The guarantee may not be assigned to third parties and applies only to the original purchaser of the certified CobiCabling system.

CobiCabling reserves the right, at its sole discretion, to refuse to grant a 25-year system warranty in the event of improper design or implementation of the system, or in the event of incomplete or defective documentation.

## 4. Important information's

Only test results from the approved testers listed below are accepted.

### Copper wiring meters:

- FLUKE DSX-600  
DSX 5000 Versiv  
DSX 8000 Versiv
- IDEAL LANTEK III  
LANTEK 7  
LANTEK II
- JDSU Certifier 40G Cable Analyser
- PSIBER WIRE EXPERT
- VIAVI Certifier 40G Cable Analyser
- SOFTING WIRE EXPERT 4500

### Fiber optic cabling meters:

- ANRITSU MT9083
- FLUKE DSX-5000 VERSIV  
DSX 8000  
DTX 1800
- IDEAL LANTEK II
- IDEAL FiberTEK III
- JDSU Certifier 40G Cable Analyser
- NOYES OPM5-2D
- NOYES M210e coupled with OPM
- SOFTING WIRE EXPERT 4500
- SOFTING WIRE EXPERT 4500 MMSM OPTICAL LOSS TEST KIT

Test equipment should be used to verify the standard for which the warranty is granted.

Test results should be submitted in the native tester manufacturer's format (e.g. flw Fluke LinkWare) and test results in PDF format will not be accepted.

Repeated results should not be presented.

Install the latest tester software and firmware (from the start of testing the entire project or project phase).

The tester should be calibrated within 1 year prior to the test date (note: calibration can only be done with a calibration device approved by the manufacturer; detailed information is provided by the manufacturer).

The test results shall include full graphical data (to be set before the start of the tests).

The warranty is issued in relation to the tested standard, e.g. EN 50173 Class E.

## 5. Conditions required for network certification

### a) Copper cabling (horizontal, 4-pair)

All tests must be carried out in relation to:

- horizontal connectors (patch panel to the well) - test as a permanent connector
- horizontal links with consolidation points (CP) - test from crossover panel to CP
- connects from the patch panel to the RJ45 plug
- links from the patch panel to the patch panel should be tested as permanent links
- full results shall be provided for each link
- the results should be presented in the original tester format.

### b) Copper cabling (vertical cat.3 / CW multipair)

Links that are reported for warranty must contain the following information:

- Link length
- the call continuity report
- type of cable construction and pair data.

### c) Warranty - Class EA / Category 6A

Copper cabling installed by a Certified CobiCabling Installer should be tested for compliance with the limit of EN 50173 class EA or ISO11801 class EA in Permanent Link mode. These measurements should be performed by means of a meter approved by CobiCabling (the list of accepted meters is in the CobiCabling Guarantee conditions). It is also necessary to use a permanent link adapter or a test head approved by the manufacturer.

### d) Warranty - Class E / Category 6

Copper cabling installed by a Certified CobiCabling Installer should be tested for compliance with the limit of EN 50173 class E or ISO11801 class E in Permanent Link mode. These measurements should be performed with the use of a meter approved by CobiCabling (the list of accepted meters is in the CobiCabling Guarantee conditions). It is also necessary to use a permanent link adapter or a test head approved by the manufacturer.

### e) Warranty - Class D / Category 5e

Copper cabling installed by a Certified CobiCabling Installer should be tested for compliance with the limit of EN 50173 Class D or ISO11801 Class D in Permanent Link mode. These measurements should be performed by means of a meter approved by CobiCabling (the list of accepted meters is in the CobiCabling Guarantee conditions). It is also necessary to use a permanent link adapter or a test head approved by the manufacturer.

## f) Warranty - Fiber

For each link that requires a guarantee, a Level 1 test shall be carried out. Level 1 certification shall be carried out by means of a light source and power meter measurement method to measure continuity and loss of the links installed. The length of the fibre optic link shall also be measured. Each fibre shall be tested in both directions. The number of fibres and the cable structure must be stated. The measurement report shall contain the following information:

- Budget for losses
- loss from A to B and from B to A
- information about a positive or negative measurement result
- the date of measurement
- the standard of conformity with which the measurements were made
- manufacturer and model of the measuring instrument
- the calibration date of the measuring instrument

The measurement results from the meter shall be submitted in electronic format in the native meter file.

## g) Warranty - Multipair cables

Links to be covered by the warranty must include:

- length
- the call continuity report
- cable construction type and pair data