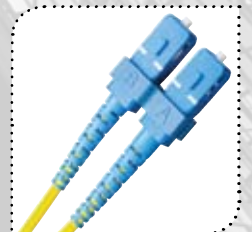
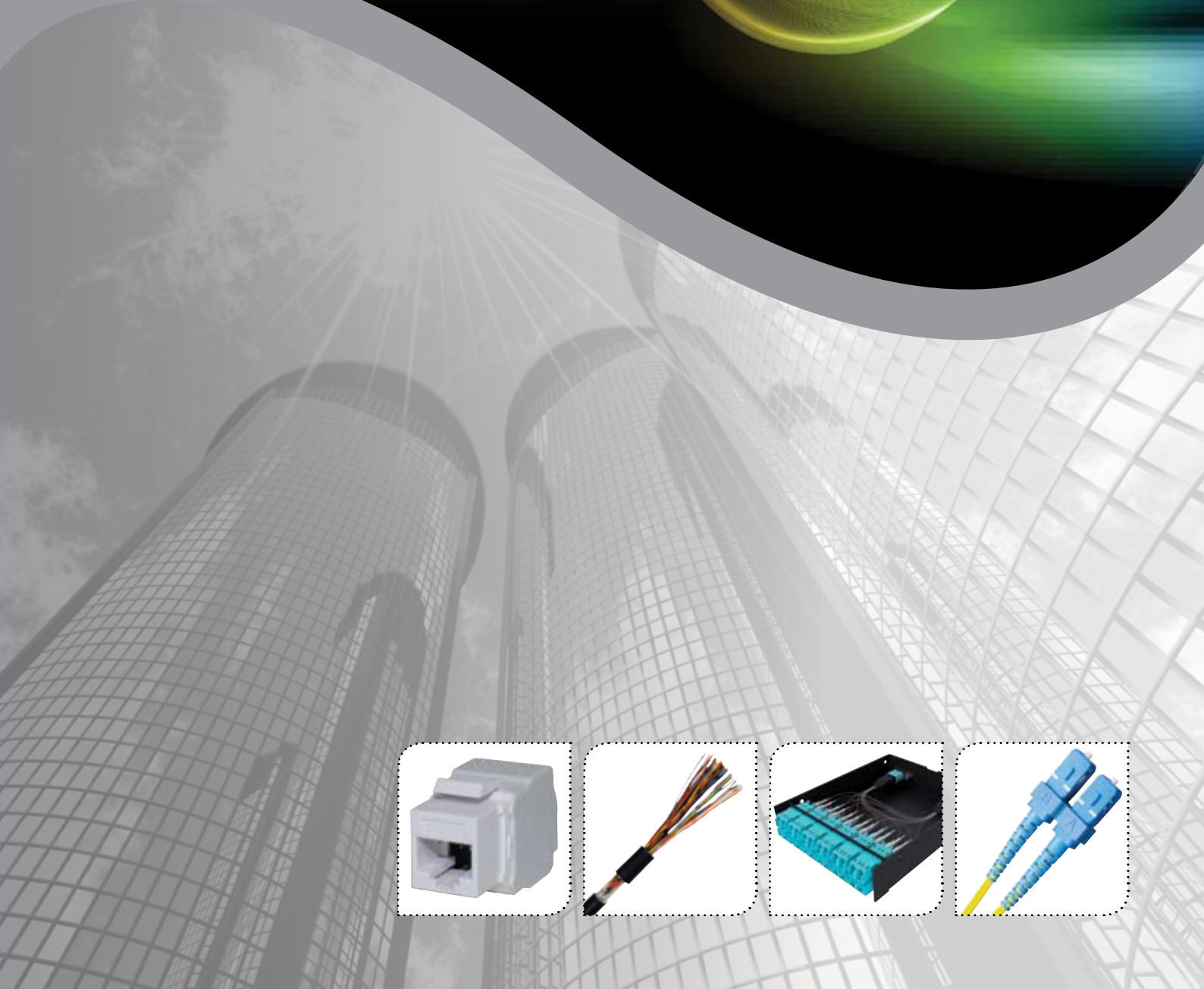


OPTRONICS

Cabling System Warranty



1. The Warranty

This Warranty applies to an OPTRONICS Cabling System purchased from an OPTRONICS Authorised Partner and installed and tested by an OPTRONICS Authorised Installer in accordance with FIBREFAB instructions and is offered between FIBREFAB and the owner of the OPTRONICS Cabling System.

Only a OPTRONICS Authorised Partner who has undertaken recognised industry best practise training for the classes of cabling to be installed can offer the OPTRONICS Cabling System Warranty. All reference training certification must be current (be less than two years old) and continually maintained at the expense of the Authorised Installer.

The OPTRONICS Cabling Systems warranty is a warranty which exists between FIBREFAB and the End User.

2. Definitions

Authorised Installer	A company who has been nominated by the Authorised Partner and who has demonstrated competence through maintaining a recognised standard of training to the exclusive satisfaction of FIBREFAB Limited.
Authorised Partner	A company that has chosen to participate in the OPTRONICS Cabling System Warranty programme and act as a distributor for the associated copper and optical structured cabling components.
Classes of Cabling System	The electrical, transmission line and optical component permanent link and channel performance described within ISO 11801 and other referenced standards.
FIBREFAB	A company register in England and Wales (Registration Number 02734823) who has its normal trading address at Davy Avenue, Milton Keynes, Bucks, MK5 8ND.
OPTRONICS	A product brand and trademark that is wholly owned by FIBREFAB Limited.
OPTRONICS	A copper and optical passive structured cabling system marketed by FIBREFAB Limited
Recognised Training	<p>FIBREFAB will recognise training that has been undertaken by the following organisations providing a valid and current certificate of training is presented by the Authorised Installer for an employee currently within their employ.</p> <p>Recognised organisations training programmes means from:</p> <ul style="list-style-type: none">> Systimax> Brand-Rex Limited> Siemon> Tyco> ADC Krone> Reichle & De Messari> BICSi> C-Net UK

The company names outlined above may also represent registered trademarks of the individual organisations

Permanent Link	A segment of the installed cabling channel as defined within ISO/IEC 11801.
The Standards	Unless otherwise specifically defined means the current revision, at the time of installation, of ISO/IEC 11801, EN 50173, EN 50174, EIA/TIA 568C, IEC 61935.

3. Our Terms and Conditions

- 3.1 This warranty document supersedes all OPTRONICS warranties formerly available from FIBREFAB Limited, with effect from the date of issue.
- 3.2 Any warranty terms and conditions contained herein should be read in conjunction with the standard FIBREFAB terms and conditions of sale. A copy of the standard terms and conditions of sale are available upon request.
- 3.3 The FIBREFAB standard terms and conditions of sale will prevail unless specifically modified within this warranty document. FIBREFAB may, at its discretion, audit (or have audited) a percentage of any new installations (re-testing a percentage of the installation) to ensure the quality of workmanship and compliance to the national and international standards.

4. The Warranty Territory

- 4.1 The OPTRONICS Cabling System warranty is available globally however each Authorised Partner or Installer will have the right to offer the warranty only within specific territories that may be reviewed from time to time.

5. The OPTRONICS Cabling System Warranty explained

- 5.1 The OPTRONICS Cabling System Warranty is only available through Authorised Partners and Authorised Installers.
- 5.2 The OPTRONICS Cabling System Warranty covers all passive optical and copper products supplied by FIBREFAB under the OPTRONICS brand.
- 5.3 The OPTRONICS Cabling System 25 year product and lifetime applications warranty commences with completion of the installation, the submission of the test results for the installed cabling system and the issue of the warranty certificate to the installation owner by FIBREFAB:
 - 5.3.1 **Product Warranty:** All OPTRONICS products are warranted for a period of 25 years as being free from manufacturing defects that could jeopardise the mechanical, electrical or transmission line performance and reliability of the product when used appropriately.

In the event of an OPTRONICS product failure FIBREFAB will, at its sole discretion, repair or replace the defective part(s) only.

- 5.3.2 **Applications Warranty:** All OPTRONICS products are warranted to support all and any application designed to operate over installed class of cabling system. In case of doubt regarding the class of cabling system required to support a specific application reference should be made to ISO11801, latest edition.

In the event of an OPTRONICS Cabling System proving incapable of supporting a specific application designed for the class of cabling installed then FIBREFAB will, at its sole discretion, make good the installation through analysis of test results and the repair or replacement of any defective parts.

- 5.4 The OPTRONICS Cabling System warranty can be transferred for the remaining life of the warranted products providing that FIBREFAB is notified by the new building owner in writing within 30 days of taking ownership of the building. FIBREFAB, at its sole discretion may require a systems audit to be undertaken including a retest of some or all of the installed cabling links to ensure that the installation remains compliant with the original warranty application in terms of design.

6. Becoming an Authorised Installer

- 6.1 Certification as an Authorised Installer must happen prior to project award. FIBREFAB have the right to reject any applications made post project award at their sole discretion. Any proposal that cannot be supported with the necessary training records will be rejected.
- 6.2 A potential Authorised installer must be proposed by the Authorised Partner. The proposal should be supported by the completion of Appendix II. It is crucial to the success of the application that the potential Installer provides details of his current training accreditation for review and acceptance by FIBREFAB. A minimum of 2 suitably trained individuals who are permanent employees of the proposed installer must supply evidence of their training records.
- 6.3 Upon satisfactory review of the potential installers details acceptance will be acknowledged by FIBREFAB through the issue of a numbered Authorised Installer Certificate.
- 6.4 All Authorised Installer certification will be time-bound for a period of two years hereupon a review will be undertaken and recertification issued at the sole discretion of FIBREFAB.

7. Procedure for obtaining an OPTRONICS Warranty

- 7.1 Within 14 days following the completion of the installation of the OPTRONICS PLUS cabling system by the FIBREFAB Authorised Installer, the installed cabling system must be 100% tested in accordance with the requirements and guidance of EN 50174 for the appropriate class of cabling. The test results associated with the installation should be forwarded to FIBREFAB, preferably as a LinkWare file for analysis.
- 7.2 Test results will be reviewed by the technical support team who will aim to issue the warranty certificate within 28 days of the results being received. Any failure to submit results for 100% of the installation will result in the warranty application being declined. Any issues or concerns regarding the submitted results will be highlighted in writing to the Authorised Partner and Authorised Installer within the 28 day period.
- 7.3 All tests must be performed using an appropriate (Fluke preferred) test instrument that is suitably calibrated and maintained according to the manufacturer's instructions and operated with the most up-to-date release of test software. For optical testing reference test leads in accordance with ISO/IEC 14673-3 must be used.
- 7.4 As may be requested from time to time by the ultimate OPTRONICS Cabling System owner or the building owner within which the OPTRONICS PLUS Cabling System is installed, FIBREFAB will undertake or have completed by a suitable third party, an audit during installation to ensure compliance with standards for installation and cabling class performance.
- 7.5 Independent audits as described in 7.4 may be chargeable at the standard FIBREFAB consultancy daily rate which may change from time to time. Charges for independent site audits will be subject to reasonable costs associated with travel, accommodation and subsistence expenses which will be agreed, in writing, in advance.
- 7.6 Upon successful submission of the test results and 100% scrutiny by FIBREFAB, an OPTRONICS Warranty certificate will be issued by FIBREFAB for the specific installation.
- 7.7 For Class D, E and EA systems, the copper cabling system must be 100% tested as a Permanent Link (as defined in ISO 11801) according to the test requirements of TIA 568C, EN50174 or IEC 61935 with a Level IV, cable analyser.
- 7.8 All optical links shall be 100% tested using light source and power metre in accordance with ISO 11801. The preferred method for receipt of optical test results is through Fluke LinkWare files.

8. Limitations within the Warranty

- 8.1 The OPTRONICS Cabling System must be installed and tested by an Authorised Installer. All test results must be submitted to FIBREFAB for review and acceptance before an installation will be registered within the warranty programme.
- 8.2 The products used within the installation must be new, never having been used before and purchased from an Authorised Partner within the programme.
- 8.3 The design, planning and installation of the Cabling System must be undertaken by a competent person(s) and follow the rules and guidance within EN 50174.
- 8.4 Any additions, moves or changes undertaken to the original installation must be 100% tested and the results submitted to FIBREFAB for review and acceptance before the new/revised links can be included within the warranty.
- 8.5 All products must be used within the electrical, optical and environmental limits for which they were designed, throughout the whole of their working life.
- 8.6 Any form of damage - accidental or malicious to the OPTRONICS Cabling System is out with the scope of the warranty and may render the warranty for the installation invalid.
- 8.7 Un-authorized modifications to the installation or OPTRONICS Cabling System by non qualified/Authorised Installers will invalidate the warranty.
- 8.8 Certain products such as connectors have a limited number of mating cycles. Exceeding the number of mating cycles may compromise the performance of these products. Refer to the individual product data sheets for any specific product limitations which will include environmental limits.
- 8.9 Only one warranty and one warranty period will exist per site.
- 8.10 FIBREFAB accepts no liability for consequential costs, including liquidated damages, relating to any installation failure, product failure, or failure to support a specific application.

9. In the event of a Warranty claim

- 9.1 In the event of a warranty claim the end user must contact the original OPTRONICS Authorised Installer within 3 working days of a potential cabling systems fault being recognised.
- 9.2 The OPTRONICS Authorised Installer will immediately inform FIBREFAB and Authorised Partner, if appropriate, of the potential issue and arrange a site visit to investigate the problem. FIBREFAB, at its discretion may choose to attend site during the audit by the Authorised Installer.
- 9.3 In the event that the original Authorised Installer is no longer trading the end user will with 3 working days of the cabling systems fault being recognised contact the Authorised Partner or FIBREFAB.
- The Authorised Partner will arrange for an audit to be completed by an active OPTRONICS Authorised Installer. At the same time, the Authorised Partner will inform FIBREFAB of the potential issue. At its sole discretion, FIBREFAB may choose to attend the site audit.
- 9.4 In the event that the original Authorised Partner is no longer trading the Authorised Installer should contact FIBREFAB directly.
- 9.5 Product related claims: The Authorised Installer shall check the purchased product for visible defects within 10 working days of delivery. Defects discovered during this inspection or at later time during the installation phase, shall be reported without delay in writing to FIBREFAB by the OPTRONICS PLUS Partner.
- 9.6 A sample of the defective product discovered during the installation phase together with proof of purchase and explanatory statement shall be sent by the Authorised Installer to FIBREFAB or to the OPTRONICS Partner (upon prior agreement with FIBREFAB). The replacement of damaged product, deemed solely by FIBREFAB, to be a fault in design or manufacture shall be at the cost of FIBREFAB. The limit of FIBREFAB liability remains solely the replacement cost of the defective product(s).
- 9.7 Product defects identified during post installation testing and pre-customer acceptance shall be reported in writing to FIBREFAB within 3 days after discovery.
- 9.8 In the event of any actual or potential warranty claim FIBREFAB may, at their sole discretion consider a claim for any direct labour day rates costs associated with the repair or replacement of products. Direct labour costs include only the labour costs without any project overhead. Overhead includes travel costs, project management costs, handling charges, additional testing costs, etc.,.
- 9.9 FIBREFAB will not accept any consequential costs, including liquidated damages associated with the repair or rectification of any warranty related fault.
- 9.10 FIBREFAB will not tolerate any claim for remedial work that is undertaken without FIBREFAB being advised and agreeing to the charges in writing and in advance of the work being undertaken.
- 9.11 All expenses arising from clarifying the legitimacy of a warranty claim (e.g. search and analysis of failures in the system) will be at the warranty holder's expense if there is no legitimate claim.
- 9.12 FIBREFAB will not accept charges nor will they assume any expenses related to investigations carried out by the warranty holder.
- 9.13 It is in the best interest of all parties, in the event of a potential claim that FIBREFAB are given expeditious access to the installation.

10. Use of Non - OPTRONICS Products

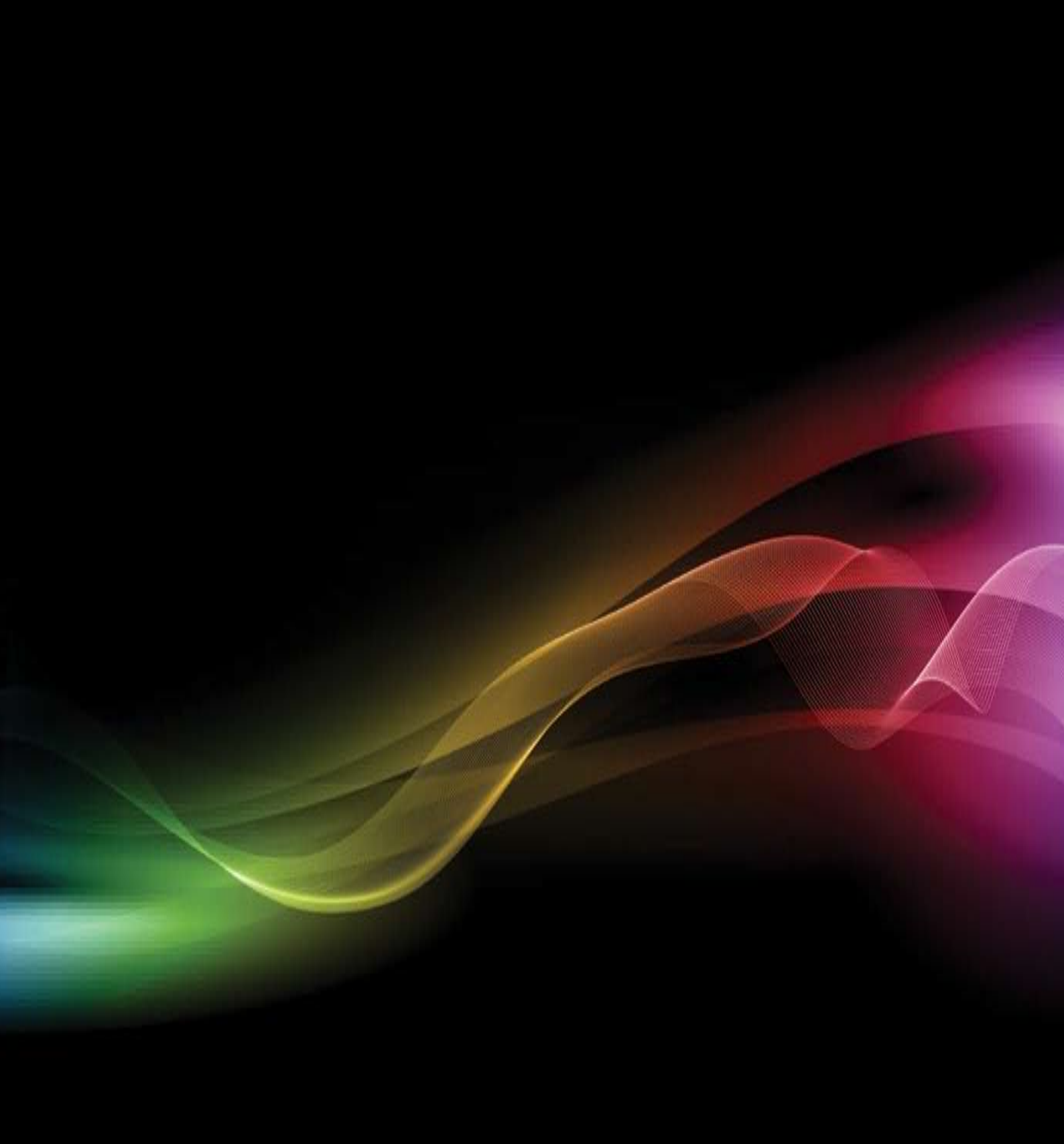
- 10.1 FIBREFAB recognise that in some instances either through customer preference or inability to supply the approval for use and incorporation within the Warranty of alternative Non-OPTRONICS products may be considered. In the event that a non-OPTRONICS product is authorised for use within a specific installation this authority to use is exclusively the right of FIBREFAB who will exercise that right exclusively at their discretion in writing on a case by case basis.
- 10.2 Additional bespoke or specially tailored for application FIBREFAB products may be included within the OPTRONICS cabling system warranty at the sole discretion of FIBREFAB.
- 10.3 All applications to use Non-OPTRONICS products should be made using Appendix II. Exceeding the number of mating cycles may compromise the performance of these products. Refer to the individual product data sheets for any specific product limitations which will include environmental limits.

11. Additional obligations of the Authorised Partner and Authorised Installer

- 11.1 Nothing within this warranty shall entitle the Authorised Partner or Authorised Installer to use any logos, trademarks or livery that is in the rightful ownership of FIBREFAB Limited.
- 11.2 This document represents the full extent of the warranty and remedies and no party beyond FIBREFAB is authorised to offer any extension beyond the terms and conditions outlined herein.

Appendix I - Warranty Application Form


Authorised Installer Details	
Authorised Installer Company Name:	
Installers Name:	
Address:	
Postcode:	Country:
Telephone:	E-Mail:
Authorised Partner Details	
Authorised Partner:	
Installation Address:	
Postcode:	Country:
Authorised Partner Contact Name:	
Telephone:	E-Mail:
Applicants Details:	
End User Name:	
Installation Address:	
Postcode:	Country:
End User Contact Name:	
Telephone:	E-Mail:
New System (Yes) (No)	
If upgrade to existing system, original cert. no.:	
Number Of Links: (Copper)	(Fibre)
Class System 1: (Class D) (Class E) (Class EA)	
Type of System 2: (U/UTP) (F/UTP) (SF/UTP) (F/FTP)	
Type of Tester Used:	s/w Version No.:
Date Installation Completed:	



OPTRONICS

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OPTCSWAR

 is a registered trademark