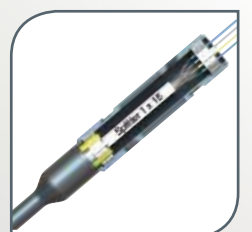
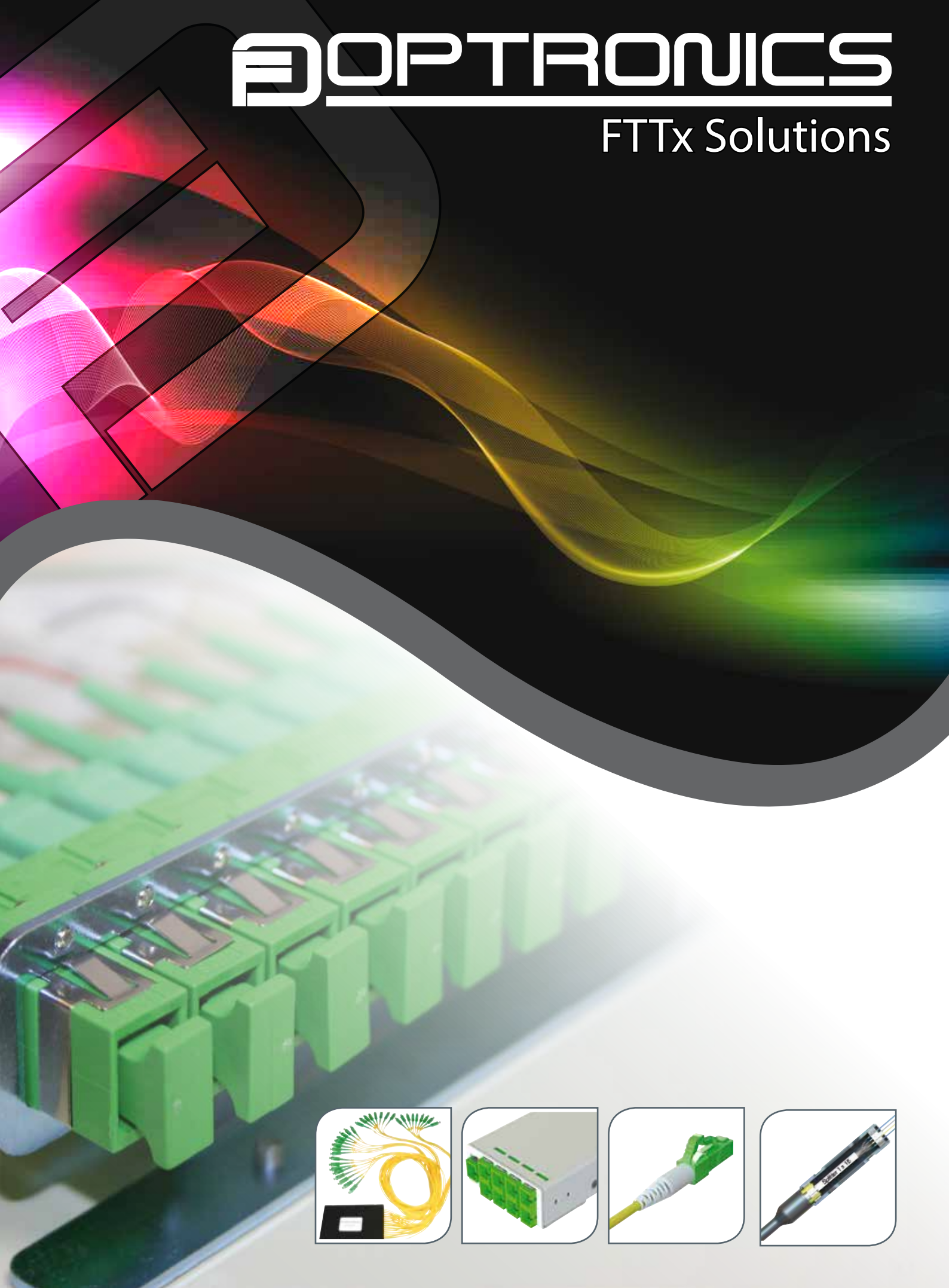


FOPTRONICS

FTTx Solutions



FTTx Solutions

Bandwidth demands are increasing and competition to supply highest bandwidth is fierce. Choosing the right high performance connectivity solution for the access network is essential.

The Optronics FTTx product range offers a flexible, high specification

solution that can be tailored and configured to meet specific network requirements, offering a mix connectivity solutions for the central office/POP distribution point/node and customer premise.



Fibre To The x

Fibre to the x is the growing market within the Telecommunications sector. While PONs (passive optical networks) are emerging as the favoured approach by many Operators, PTP (point to point) is being deployed globally. Regardless of the network infrastructure, connectivity plays a fundamental role in the union of a fibre network.

a complete connectivity solution supported by our own pre-terminated assemblies expertise. Our connectivity solutions are fostered by a range of products for splitting, distribution, patching and splicing. Market demand shows requirements for a modular, easy to use solution that can be tailored for specific customer requirements.

To support the growing applications and opportunities in FTTx Optronics has developed

Central Office

Page 6

- Pivot Panels
- Splitters
- Pre-Terminated Cable
- Attenuators
- Patchcords
- Pigtails
- Fibre Management

Node / Distribution Point

Page 8

- Bespoke Node Unit
- Pivot Panels
- Discrete Splitters
- Splitter Cable
- Pre-Terminated Cable / Hydra Cable
- Patchcords
- Pigtails
- Fibre Management

Multi Dwelling Units (MDUs)

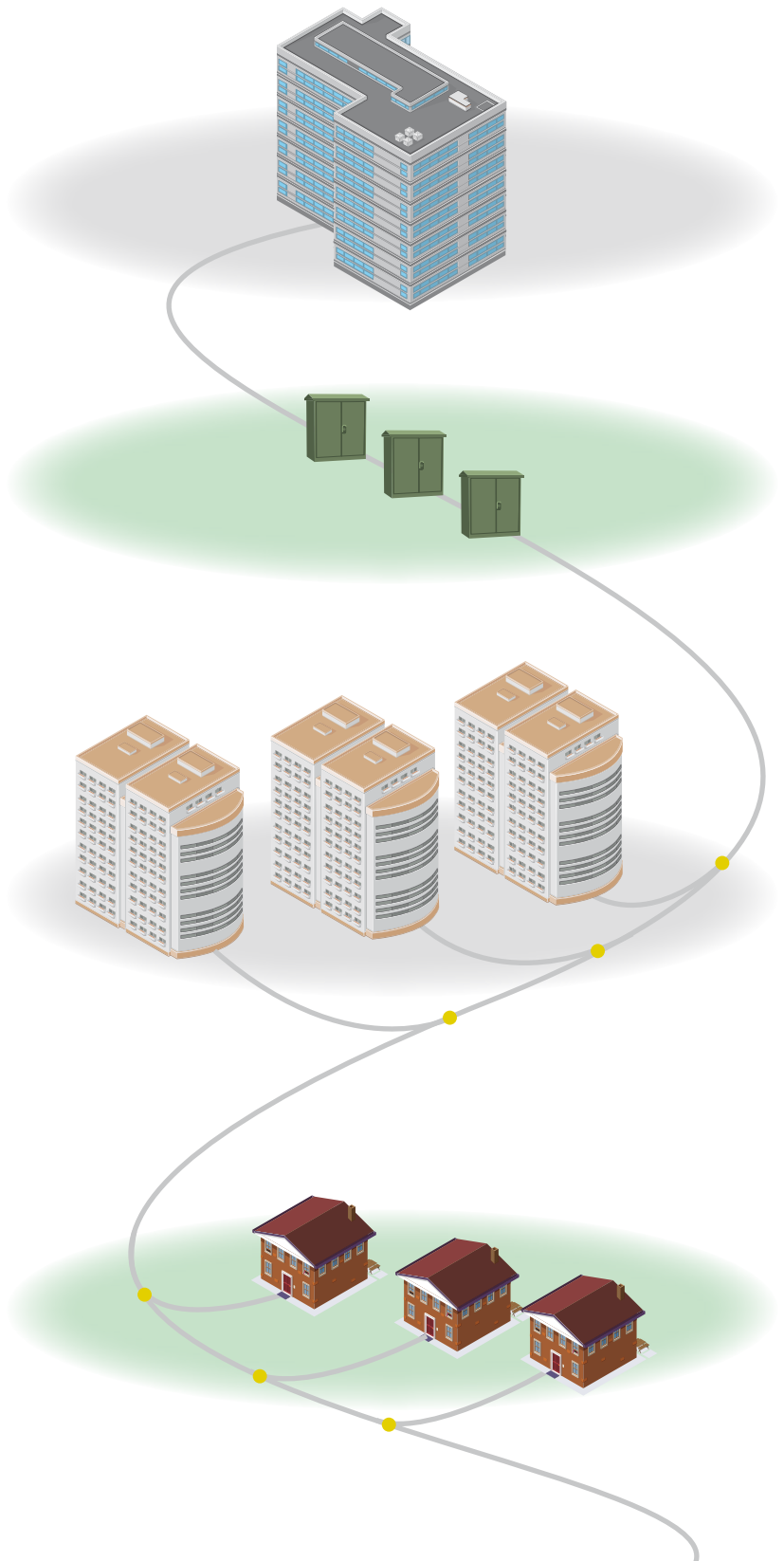
Page 10

- Bespoke Node Unit
- Floor Distribution
- Splice and Patch Boxes
- Shuttered Adaptors
- Splitter Cable
- FTTx Drop Cable
- Field Installable Connectors
- Reduced Bend Sensitivity Patchcords & Pigtails
- Fibre Management

Single Dwelling Units (SDUs)

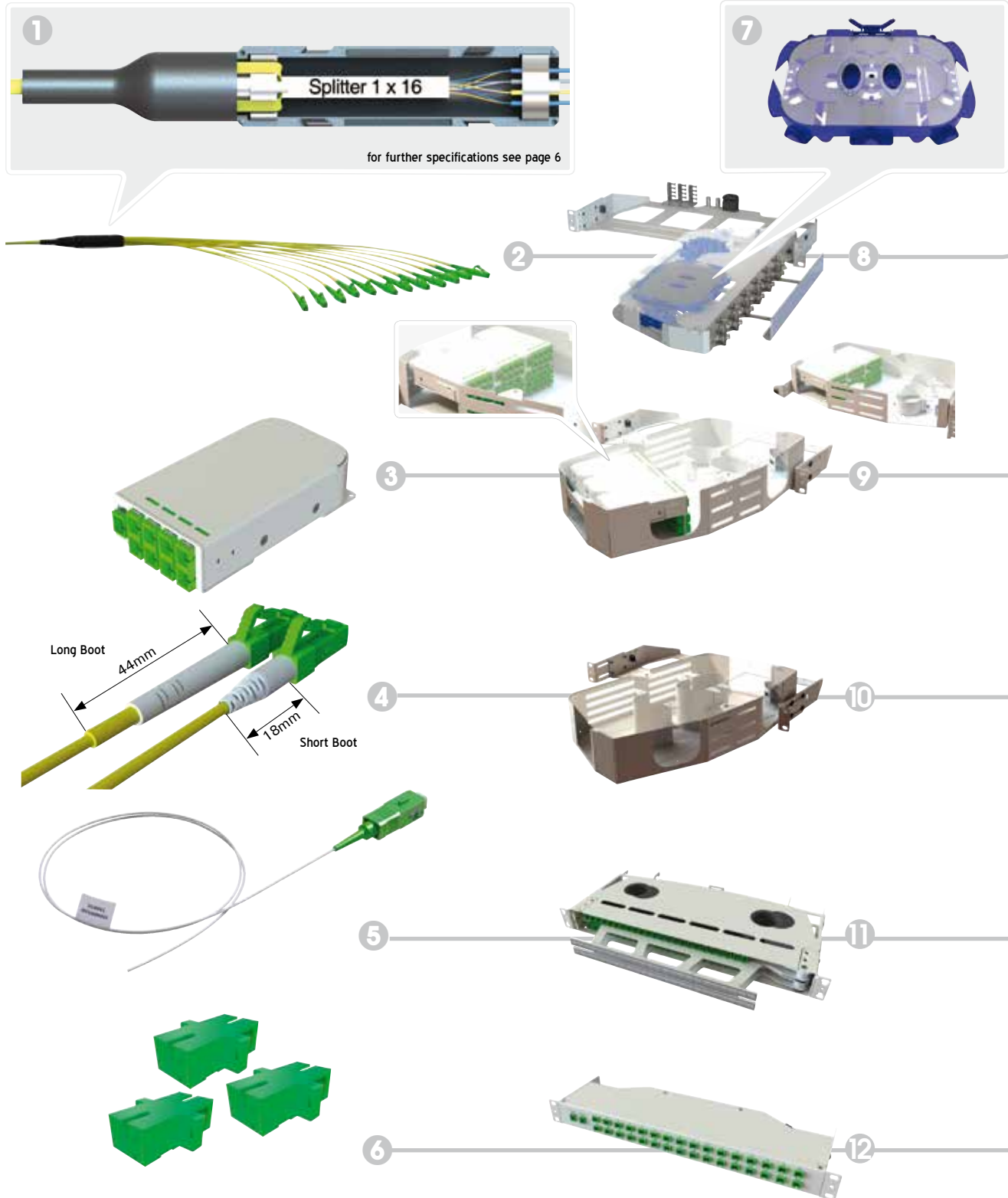
Page 11

- FTTx Drop Cable
- Shuttered Adaptors
- Shuttered Wall Boxes
- Reduced Bend Sensitivity Patchcords and Pigtails



Central Office / Point of Presence (POP)

The central office upgrades call for high density, small diameter and tighter bend requirements. Optronics have developed a suite of high density fibre management solutions for splitting, patching, splicing and winding. The Optronics patented firstlight pre-terms can be configured to work in most central office applications offering very small trunk and sub unit diameters presenting the strength required for rugged applications. Our range of short and 90 degree boots give the user long term bend management assurances.



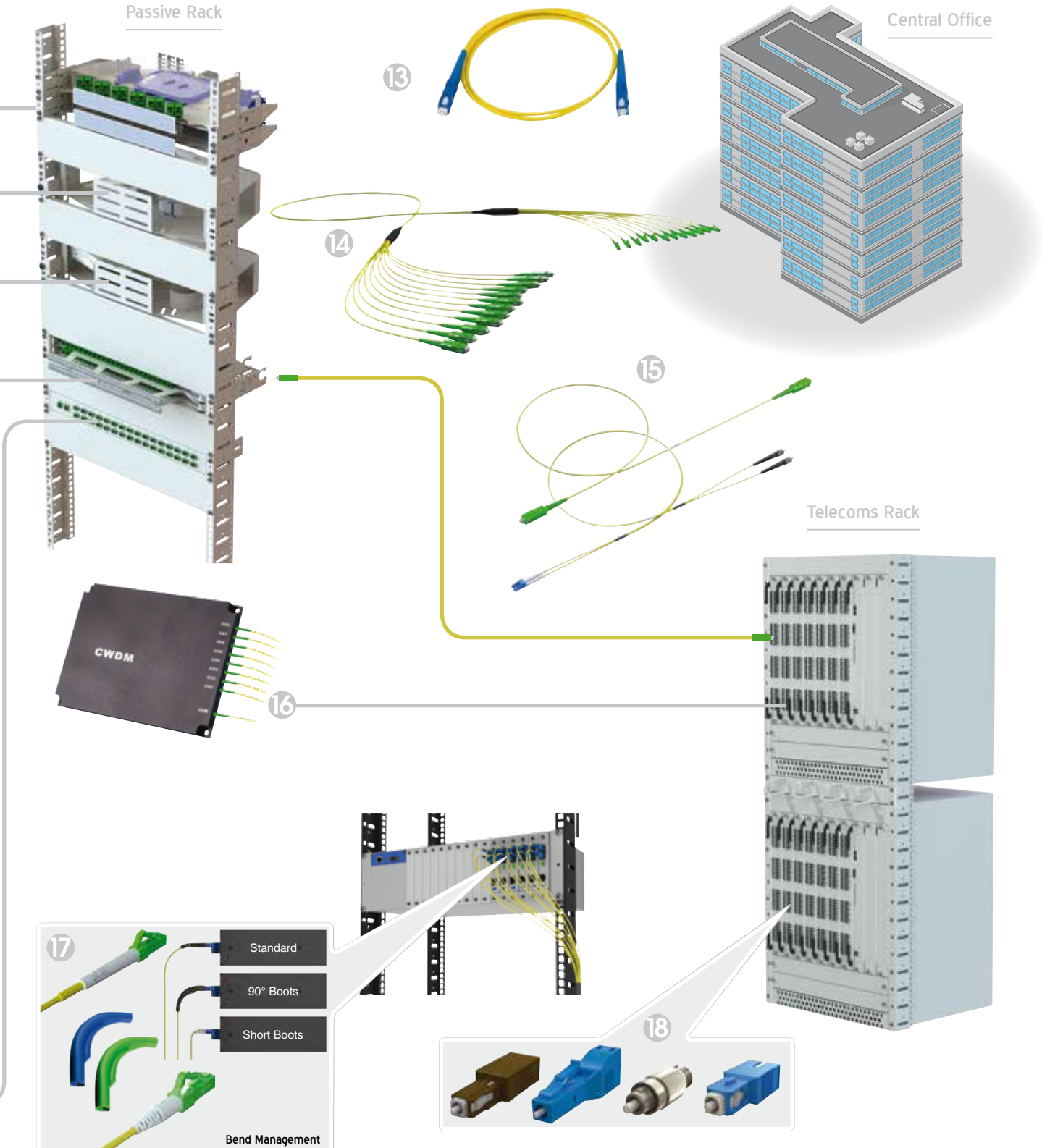
- 1 Splitter Cable*
- 2 Pre-Terminated Cable / Hydra
- 3 Splitter Module
- 4 Patchcord with short boot
- 5 Pigtails (G652D, G657A1/2)
- 6 Adaptors
- 7 Splice Cassette
- 8 1U Pivot Panel
- 9 Splitter Panel
- 10 Winding Slackstorage Panel
- 11 Double Tray Pivot panel
- 12 Splitter Panel
- 13 Attenuated Patchcords
- 14 Multi Fibre Pre-term / Hydra*
- 15 Fibre Patchcords
- 16 CWDM
- 17 Short and 90 Degree Boots
- 18 Attenuators

*Patented Design

Passive Rack

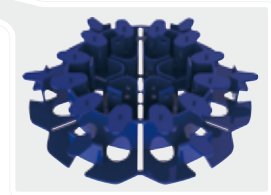
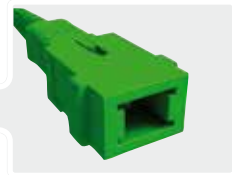
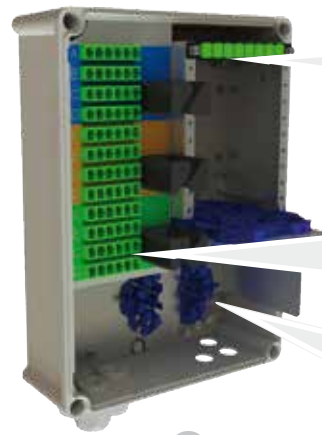
Central Office

Telecoms Rack



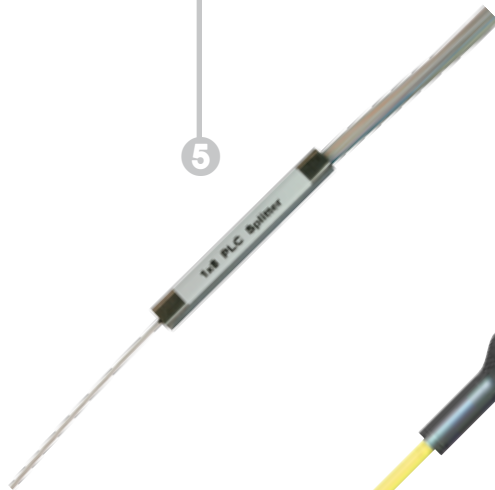
Node / Distribution Point

Current central office upgrades require high density, small diameter and tighter bend specifications. Optronics have developed a suite of high density fibre management solutions for splitting, patching, splicing and winding. The Optronics patented firstlight pre-terms can be configured to work in most central office applications offering very small trunk and sub unit diameters giving the strength required for rugged applications. Our range of short and 90 degree boots give the user assurance for long term use in a variety of environments.

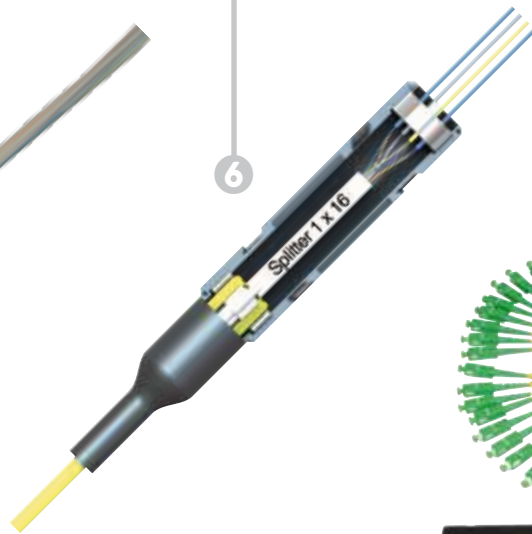


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7



All splitters are available in the following specifications:

1 x 2	1 x 16	2 x 4	2 x 32
1 x 4	1 x 32	2 x 8	2 x 64
1 x 8	1 x 64	2 x 16	

Other specifications available on request

- 1 Bespoke Node Unit
- 2 Dual tray High Density Pivot Panel
- 3 Single Tray Pivot Panel
- 4 Splitter Panel
- 5 Discrete Splitter - with 900um tails
- 6 Splitter Cable
- 7 Module ABS Box Splitter
- 8 Multi Fibre Pre-term / Hydra
- 9 Patchcords & Pigtails (G652D, G657A1/2)



2



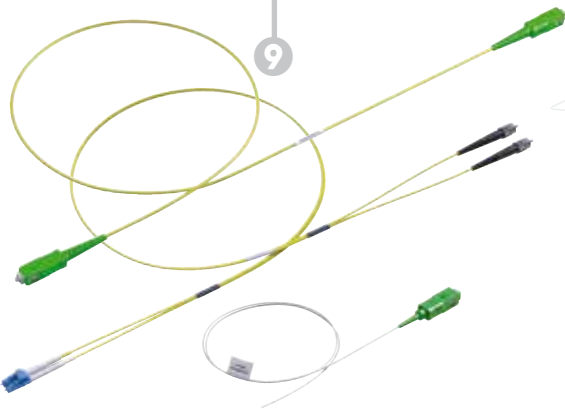
3



4



Video available
online at
www.optronicsnet.com

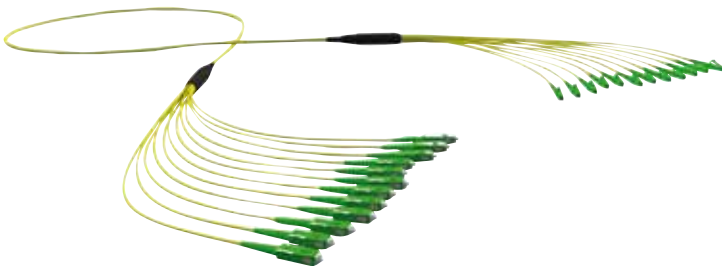


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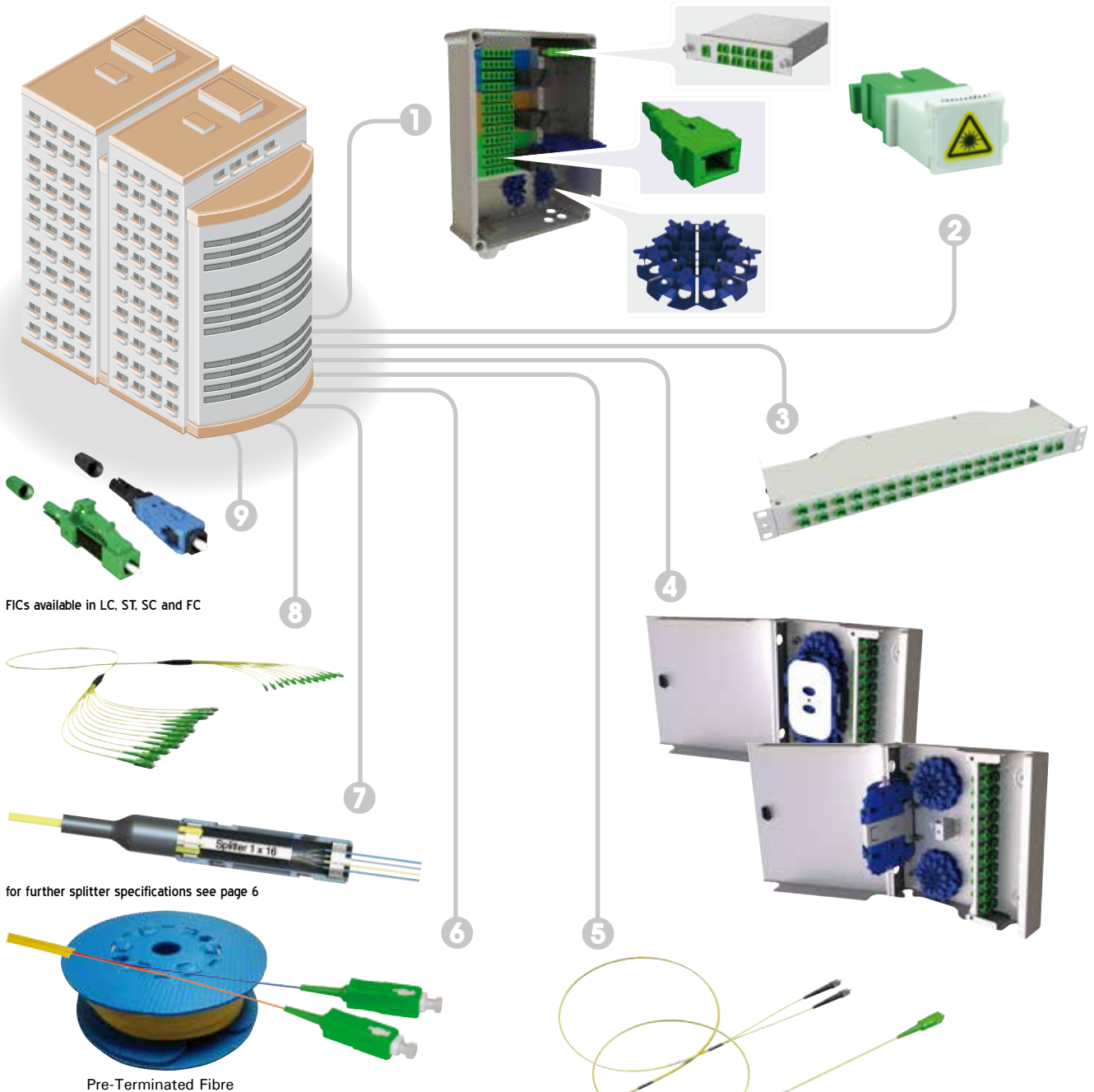


High Performance versions of
our patchcords and pigtails are
available, visit
www.optronicsnet.com



Multi Dwelling Units (MDUs)

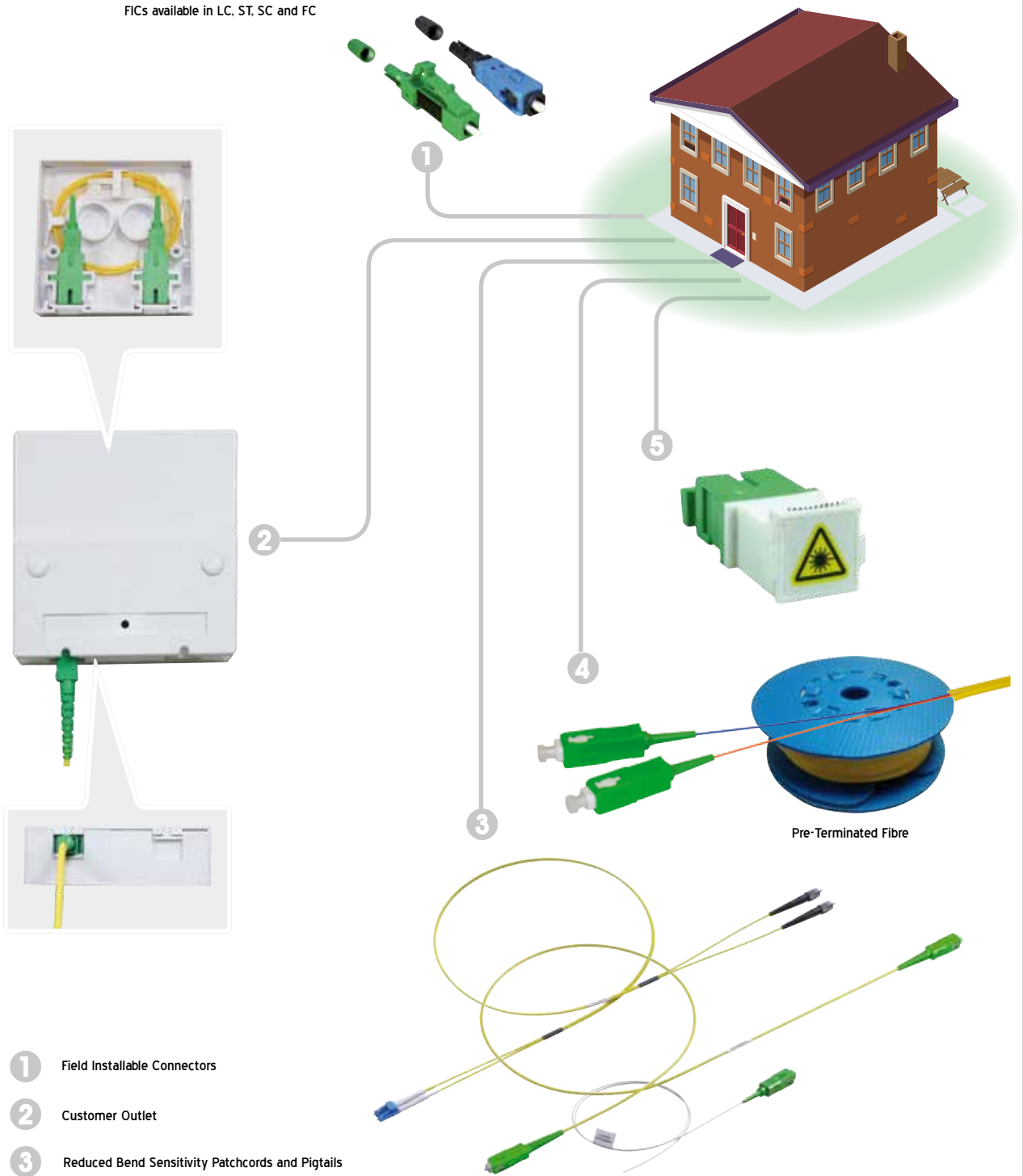
The final drop and customer premise will often involve challenging environments. Rarely are there rarely two similar deployments. Optronics offers an innovative and flexible design service. Optronics also offer a range of high performance external and internal fibre connectivity products designed for fast and easy installation.



- | | |
|--------------------------------------|--|
| 1 Bespoke Node Unit | 5 Reduced Bend Sensitivity Patchcords and Pigtails |
| 2 Shuttered Adaptor | 6 Pre-Terminated FTTx Drop Cable |
| 3 Splice and patch box | 7 Splitters |
| 4 Single Door Floor Distribution Box | 8 Multi Fibre Pre-Term / Hydra |
| | 9 Field Installable Connectors |

Single Dwelling Units (SDUs)

FICs available in LC, ST, SC and FC



- 1 Field Installable Connectors
- 2 Customer Outlet
- 3 Reduced Bend Sensitivity Patchcords and Pigtails
- 4 Pre-Terminated FTTx Drop Cable
- 5 Shuttered Adaptor

Optronics is a brand of fibre optic and copper networking products, for use in local and wide area networking and telecommunications applications.

In 1994, Optronics acquired Optronics, a company with over 20 years previous experience in the fibre optic manufacturing industry. The Optronics range includes patchcords, pigtails (multimode and singlemode), patch panels, wall and splice boxes (unloaded and customised), and a full range of accessories.

Based in Milton Keynes, UK, we have the facilities to support a vast array of customers: from small distributors through to specialist installers.

Optronics products are available directly from Optronics or from distributors all over the world.

Warranty Programme

OPTRONICS WARRANTY PROGRAMME

At OPTRONICS we offer one of the most complete warranty programmes available to the structured cabling industry. Our copper and fibre solutions are designed for performance and reliability and manufactured to comply with the latest national and international standards at the time of installation.

OPTRONICS products exceed the performance requirements defined within ISO/IEC 11801, ANSI/EIA/TIA 568 and EN 50173 if as applicable, and are warranted against failure for a period of 25 years from the date of installation. Furthermore, Optronics warranty that the components are installed and tested by an OPTRONICS approved partner then the installed link will support for the lifetime of the installation all applications that have been designed to run on the specific CLASS/category of cabling system.

The OPTRONICS copper and fibre structured cabling range represents the relentless pursuit by Optronics to bring quality and reliability to the market. Achieved through world class engineering we have confidence to stand behind our products for 25 years in the full knowledge that they will continue to faultlessly deliver the applications for the which they were designed, for a life-time.

THE OPTRONICS CABLING SYSTEM WARRANTY EXPLAINED:

The OPTRONICS Cabling System Warranty is only available through Authorised Partners and Authorised Installers.

The OPTRONICS Cabling System Warranty covers all passive optical and copper products supplied by Optronics under the OPTRONICS brand.

The OPTRONICS Cabling System 25 year product and lifetime applications warranty commences upon completion of the installation the submission of the test results and the issue of the warranty certificate to the installation owner by Optronics.

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.

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 a specific application reference should be made to ISO 11801, latest edition.

The OPTRONICS Cabling System warranty can be transferred for the remaining life of the warranted products providing that Optronics is notified by the new building owner in writing within 30 days of taking ownership of the building.

LIMITATIONS OF THE WARRANTY

This Warranty only covers the Installation as defined in the submitted dossier and specification. Any extensions or modifications to the Installation must be submitted to Optronics following the procedure listed in our warranty documentation. On review and acceptance, a new Certificate and Schedule will be issued.

BECOMING AN AUTHORISED INSTALLER:

Certification as an Authorised Installer must happen prior to project award. Any proposal that cannot be supported with the necessary training records will be rejected.

A potential Authorised Installer must be proposed by the Authorised Partner. The proposal should be supported by the completion of Appendix II of our detail warranty statement.

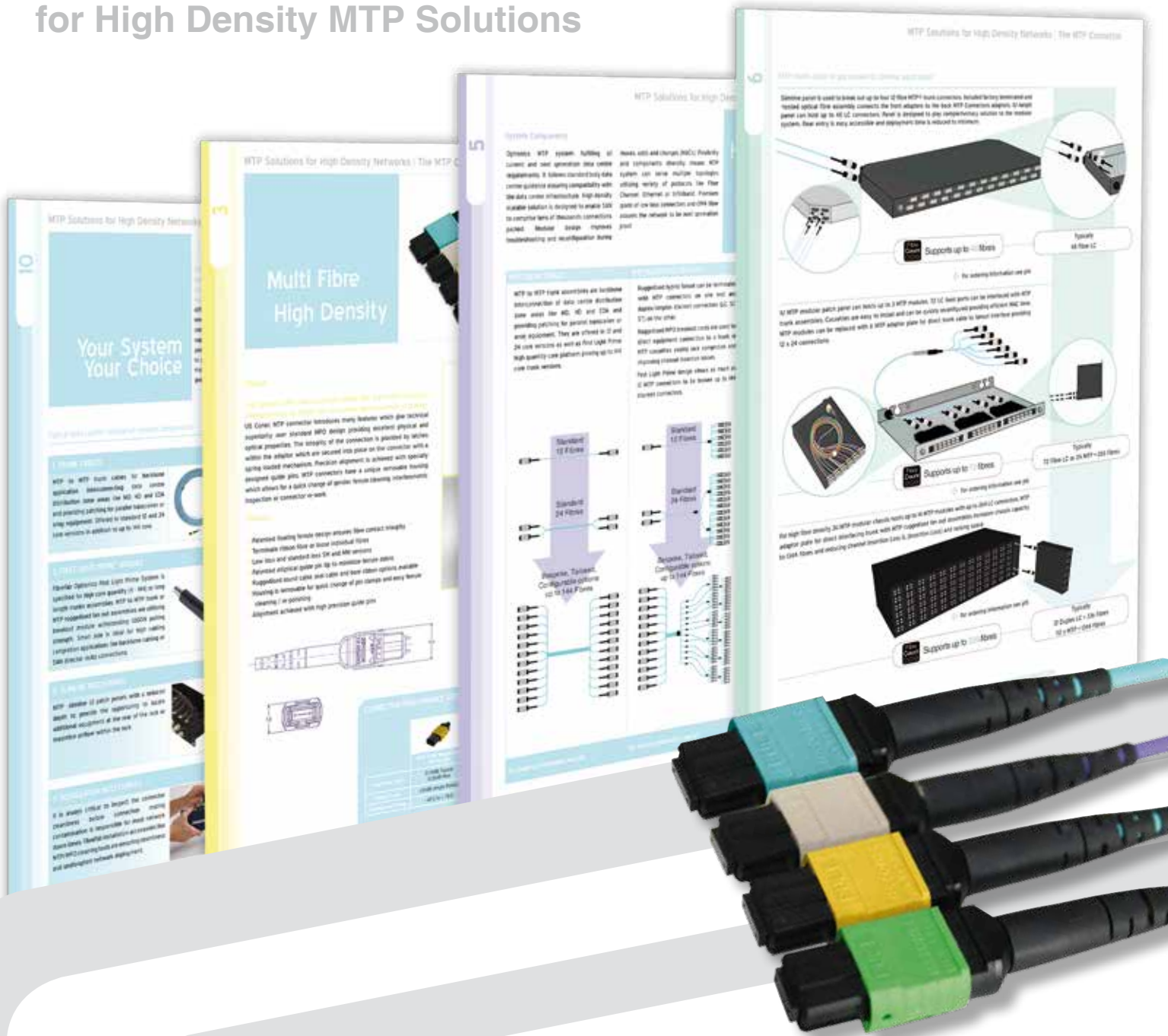
Upon satisfactory review of the potential installers details acceptance will be acknowledged by Optronics through the issue of a numbered Authorised Installer Certificate.

All Authorised Installer certification will be time-bound for a period of 2-years whereupon a review will be undertaken and recertification issued at the sole discretion of Optronics.

OPTRONICS

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