

Connectivity Solutions for FTTx Networks



Lighttera

FTTx Full Service

The optical fiber solution that optimizes medium and long term investments.



PRE-DESIGN
SUPPORT FOR
ENGINEERING



COMPLETE PORTFOLIO
INDOOR AND OUTDOOR



START-UP
SERVICE



GPON
SOFTWARE



GLOBAL
MANUFACTURING

TRAINING
CENTRE

TRAINING IN NETWORK
DESIGN AND EQUIPMENT
CONFIGURATION



24X7 PREMIUM
SUPPORT



EXTENDED WARRANTY OF
10 YEARS FOR PASSIVE
NETWORKS*

* ACCORDING TO THE TERMS AND
CONDITIONS OF THE LIGHTERA
EXTENDED WARRANTY PROGRAM

Why use Optical Fibre?



Bandwidth



Security



Elettromagnetic
Immunity



Maintenance



Lifetime
(PRODUCT AND
TECHNOLOGY)

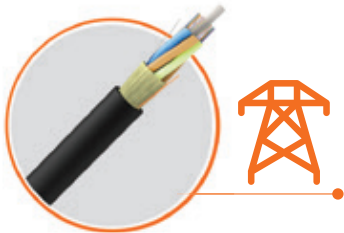


Reduced
Infrastructure



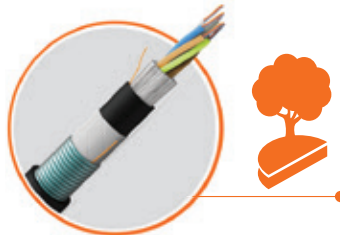
Saving
space and
energy

Optical Fibre Cables



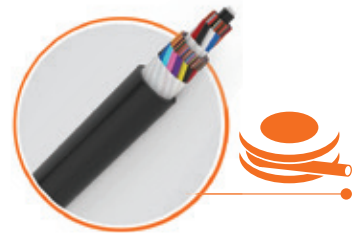
Aerial

» All Dielectric loose tube aerial cables - suitable for short or long span applications independent of electrical network. Designs are matched to your span and environmental conditions.
» Up to 288 fibres.



Direct Buried

» Suitable for direct burial and applications requiring additional mechanical or rodent protection. Available in metallic armour or light armoured options as well as non-metallic robust designs.
» Up to 864 fibres.



Duct

» Suitable for outdoor duct installations (HDPE Tubes) by cable blowing or pulling. Available with additional glass yarns for rodent protection or with toughened tubes for enhanced mechanical performance. The MiDia designs are smaller in diameter than the Standard design range.
» Up to 864 fibres.



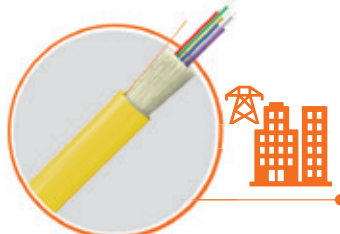
Microduct

» Suitable for outdoor installation into microducts by cable blowing. The MiDia Micro designs are available in various size options to optimise duct fill, offering greater capacity for fibre density.
» Up to 576 fibres.



Drop

» A variety of designs exist for various last drop installations. Designs suitable for direct burial, duct, indoor/outdoor or short span aerial applications are available.
» Typically 1 to 12 fibres.



Internal/Building

» CPR rated cables exist for a variety of indoor and indoor/outdoor applications. Designs vary from loose tube, central core and buffered optical fibres to best suit the installation environment and fibre count required.
» Up to 6912 fibres.



Rollable Ribbon Cables

» Cables with the latest Rollable Ribbon technology are available for outdoor Aerial, Direct Buried, Duct, Microduct, Drop, and Indoor applications. The design is optimised for the application.
» Up to 6912 fibres.



EASYFIBER

Connectorised Access Solution (FTTH)

High versatility Access network

- » Minimal optical infrastructure;
- » Optimal transition solution for a splicing network migrating to a connectorised network (field connectors);
- » Segmented network, allowing more security and stability;
- » Flexible design and quick subscriber activation.

2nd Level Splitter Slimbox® FK-CTO-16MT

- » Supports up to 16 connectorized drop cables;
- » Wide internal space for tube accommodation;
- » Simple and safe opening;
- » Compatible with flat drop cable.

Slimbox® FK-CTO-16MI Inline

- » IP55 protection;
- » Supports up to 16 connectorized drop cables and 48 splices;
- » Simple deployment and handling;
- » Compatible with round and flat drop cables.

Fig. 8 Drop Cable

- » 1 or 2 single-mode BLI G.657 fibers;
- » LSZH jacket;
- » Available in black or grey;
- » Compact design;
- » Compatible with field connector and splicing.

Pivoting Adapters

Perform
activation
without
affecting other
customers

Gel-Free

EZ-Peel™ Cable (1f)

- » EZ-Peel™, UV stabilised outer sheath
- » B2ca CPR rated inner and outer sheath
- » Transitions easily from outdoor to indoor eliminating multiple cables
- » Ideal for MDU and SFU applications

Cable for Distribution Network

- » Aerial self-supporting installation;
- » Gel-free loose tube construction;
- » Extremely light and easy to handle;
- » Optimized for urban networks.

Underground Slimbox® FK-CTOS-16P

- » Underground and aerial;
- » Up to 16 connectorized drop cables;
- » Access: splice or field connector;
- » Up to 02 1x8 splitters or 01 1x16 splitter;
- » 2 derivation ports.

Universal Optical Field Connector SM SC-APC FLAT

- » Simple, quick and easy installation;
- » Excellent optical and mechanical performance;

M-Pack® Indoor/Outdoor MDU Drop Cable (12-24f)

- » Coa CPR rated
- » Uses EZ-Bend® G.657.B3 fibre
- » Robust, staple ready cable allowing direct routing from building exterior into living areas



EASYFIBER

Pre-terminated solution on-demand for FTTH Networks

Solution benefits



Pay as you grow
Capex and Opex
reduction.



Plug and play
preterminated
solution.



Factory
assembled hardened
connectors.



Increased reliability
with factory
preterminated
products.



Decreases the cost
of labor, installation,
optical splices and
accessories.



Quick
Installation.

» The EZ!Star solution is intended for outdoor residential network architecture (FTTH). With factory pre-terminated systems, it offers easy installation, quick activation and flexibility upon expansion.

1st Level Splitter

PRETERMINATED
SLIMBOX DROP
TERMINAL FK-
CTOP-16P (INLINE
SLIMCONNECTOR)



DID YOU KNOW...

That global fixed broadband subscribers continues rapid growth, expected to hit 1.2 billion by 2025?

Source: Broadband Forum (<https://www.broadband-forum.org/>)

Low Friction
Drop Cable 01F
Pre-Terminated on
One End



Termination Box FK-
CTOP-L (b9/10)

Round Cable 01F
Compact Distribution
Cable Pre-Terminated
on Both Ends



EASYFIBER

Centralised Building Solution (MDU)

- » Centralisation of splitters and connection maneuvers of subscribers;
- » Quick activation process;

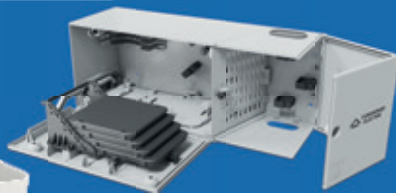
- » Connectorised solution;
- » Optimal splitter usage.



Slimbox® 64F (DGOI-C 64)

- » Modular box supporting up to 6 compact 1x8 splitters;
- » Supports up to 64 homes passed (HP) and 48 homes connected (HC);
- » Easy subscriber management;
- » Splice and activation in separate areas.

Slimbox® MDU 48F Building distribution point up to 48 connectors



M-Pack® Indoor/Outdoor MDU Drop Cable (12-24f)

- » Cca CPR rated
- » Uses EZ-Bend® G.657.B3 fibre
- » Robust, staple ready cable allowing direct routing from building exterior into living areas



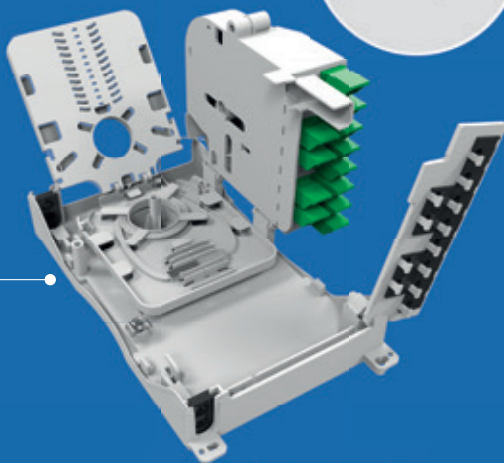
EZ-Peel™ Cable (1f)

- » EZ-Peel™, UV stabilised outer sheath
- » B2ca CPR rated inner and outer sheath
- » Transitions easily from outdoor to indoor eliminating multiple cables
- » Ideal for MDU and SFU applications



Slimbox® 12F (CEIP 12)

- » Transition box on the ground floor or on each floor of the building;
- » Compatible with pigtails and splitters;
- » Up to 12 SC-APC connectors.

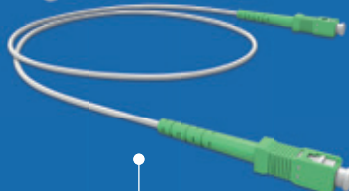


SlimBox® 24-Fiber Indoor/Outdoor Enclosure

- » Accommodates LC/SC Adaptors
- » Connects distribution cables to FTTx network drop cables
- » Supports fully plug and play
- » Connections throughout MDU - Floor to Floor Distribution

3 mm Optical Patch Cord

- » Robust construction patch cord;
- » With bend insensitive fiber.



Pre-terminated MDU Solution

Quick and easy installation with a single fiber cable for connection between floors. Combine unbalanced and balanced splitters for a new installation and maintenance experience.

Solution benefits



Growth on demand: optimize your cashflow, use only when needed.



Plug and play pre-terminated solution.



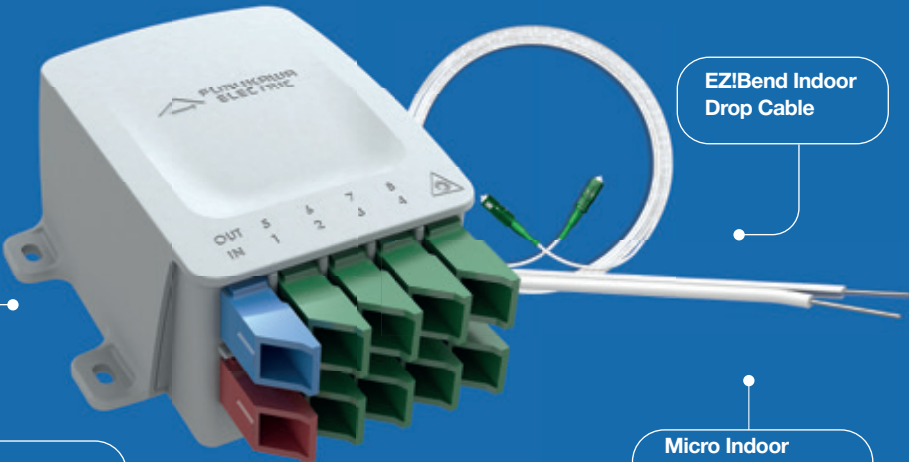
Network Expansion: Flexibility and agility to activate new subscribers.



Compact Solution: Easily adjustable to any MDU scenario.

CEIP 08 Floor Box

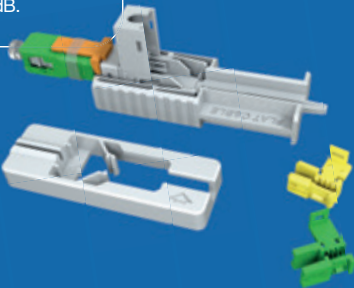
- » Fast and Easy Installation;
- » Small Size with 10x10 cm;
- » Plug & Play Solution;
- » Small 1F Riser Cable;
- » Field connect or pre-connect.



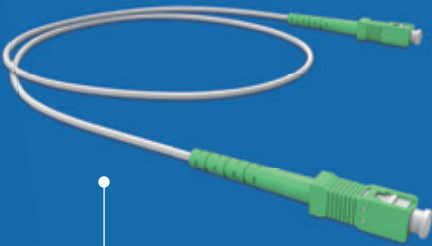
EZ!Bend Indoor Drop Cable

Universal Optical Field Connector SM SC-APC FLAT

- » Simple, quick and easy installation;
- » Excellent optical and mechanical performance;
- » Low insertion loss: typical < 0.3 dB.



Micro Indoor LowFriction Cable



1F RISER CABLE

- » 3.0 and 4.8 ruggedised cordage;
- » Double the performance of G.657.B3, reliable down to 2,5 mm radius;
- » Pre-terminated.

CEIP 12 Basement Box



GOCLICK

FTTR Fiber to the Room Solution



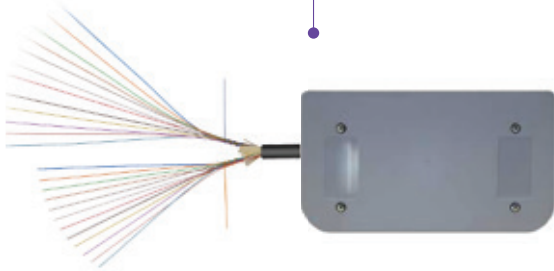
InvisiLight™ ILU (Indoor Living Unit) Solution

» Fast, easy installation



InvisiLight™ Facade Solution

- » IP55 Rated
- » Stores up to 4 metres of cable
- » Supports 4 SCA or LCA adaptors
- » Supports up to 4 Customer Drops
- » Wall-Mount inline enclosure to support customer drops at MDUs or Multi-business locations.



InvisiLight™ MDU (Multi-Dwelling Unit) Solution

- » Transition to the living unit
- » 2.0 or 2.3 mm white cord, up to 16 fibers
- » Pre-connectorized or bulk reel-in-box
- » Water-soluble, safe, adhesive
- » Fast, easy installation
- » OFS award-winning EZ Bend®
- » Optical Fiber, better than ITU G.657B3, 2.5 mm bend radius



Learn more:

