# EMTELLE
TOGETHER EVERYTHING CONNECTS

# EM-FINITY CLOSURE

## Your Closure, Your Way. Connect Beyond Limits

**1056+** splices / **96** LC **Pre-connectorised** customers

### Modular Splice Closure System

- **Fully Customisable**
- **Colour Coded**
- **Custom Fitted**
- **4 Sizes**

# INTRODUCING

## Another innovation by Emtelle



EM-FINITY

### The Premier Solution for Seamless Network Expansion

EM-Finity enhances the traditionally complex process of network expansion into a streamlined, efficient, and straightforward experience. Our design simplifies expansion, significantly reducing both time and resource expenditure.

Moreover, EM-Finity sets a new benchmark for quality and reliability in splice closures, a critical component of drop networks. Our extensive testing guarantees superior performance and durability, ensuring that your investment delivers long-lasting value.

The intuitive, colour-coordinated design of EM-Finity facilitates easy network management and adaptability to future demands, providing you with the confidence to meet evolving technological requirements.

### EM-Finity Sustainable Benefits

The colour-coded system speeds up installation and management, reducing time, resources, translating into less environmental impact. The modular design allows for easy upgrades, and its energy-efficient manufacturing process cuts carbon emissions. Additionally, the compact design reduces fuel use in transport, and our efficient distribution strategy cuts emissions from transportation.

**Dual Purpose**    Mechanical seals can be used for both duct & cable.

**Modular System**    Customisable and upgradable to meet your exacting requirements.

**Lift & Lock System**    Quick release clamp with locking option.

**One Tray - Multiple Uses**    A standard tray with 12 splices can also hold 2 splitters, efficiently combining both functions in a single unit.

**Industry Leading Material**    Constructed from high quality, corrosion resistant materials.

# KEY BENEFITS

## Definition of Simplicity

Our solutions combine ease of use with advanced functionality, ensuring a streamlined, future-ready network.

## Bespoke Splice Closure

Designed to fit your exact specifications, ensuring seamless integration and superior network performance.

## Colour Coded Management System

From colour coded port entries, trays and pre-connectorised adapter ports. Emtelle's colour coded cable management system allows you to manage your network from start to finish.
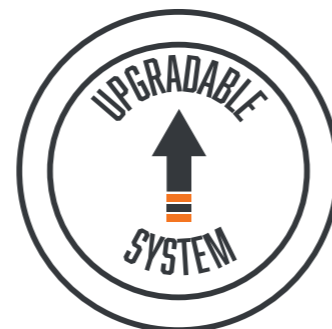
## Upgradable System

Allowing more splice tray capacity, perfect for future network growth.

## Versatile Solution

One closure designed for both mechanical (gel) and heat-shrink cable or microduct entries.

Quick and easy fibre management between each side of the closure, with a safe and innovative cable slack storage basket that is retained in the middle of the closure.

DEFINITION OF SIMPLICITY

BESPOKE SPLICE CLOSURE

COLOUR CODED

UPGRADABLE SYSTEM

VERSATILE SOLUTION

UNDERGROUND

OVERHEAD

*Disclaimer: EM-Finity can only be used in certain countries that support overhead networks.*

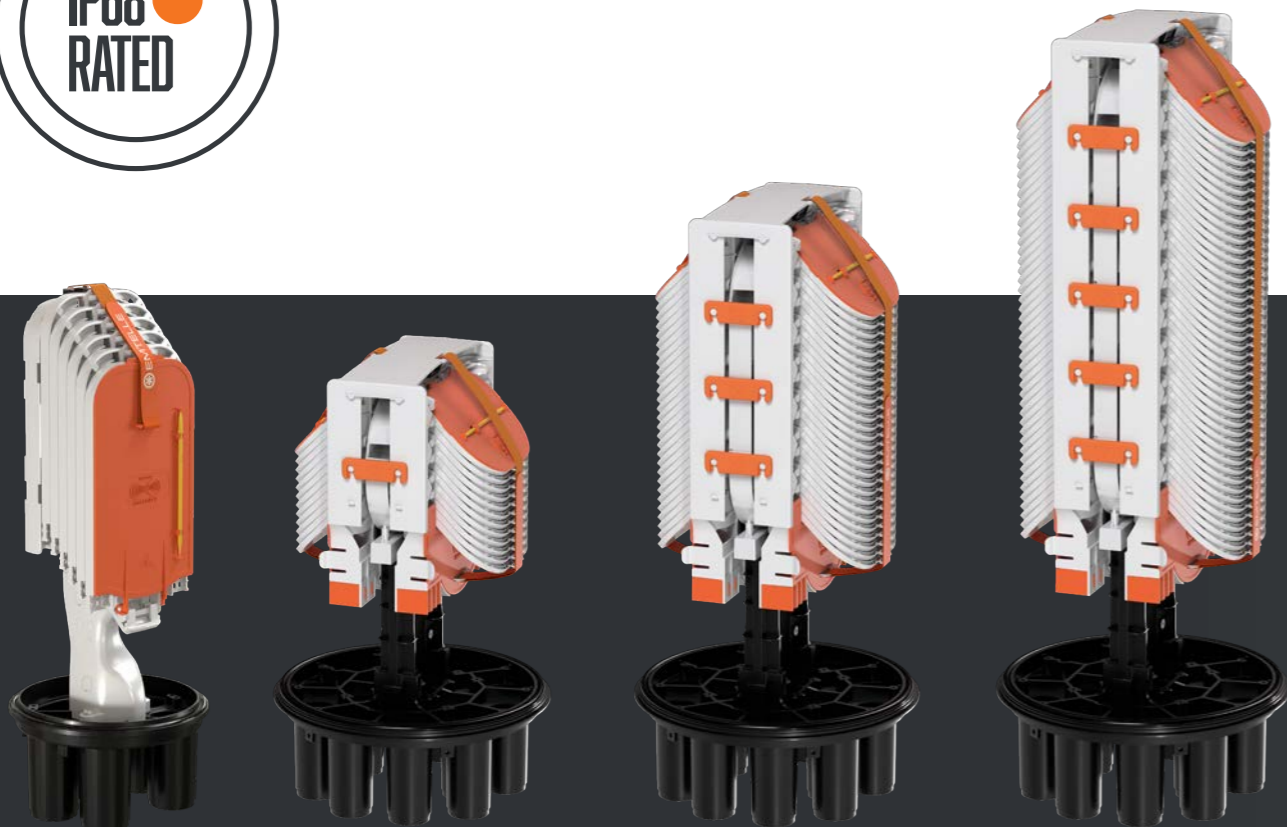# SIZES FOR ANY APPLICATION

With fibre networks growing and expanding every day worldwide, EM-Finity can grow as your future fibre capacity grows.

There are 4 standard EM-Finity sizes - S, M, L and Lite, which can give you a wide range of splicing and patching options to meet your network build needs for now and the future.

| | | EM-FINITY CLOSURES | | | |
|---|---|---|---|---|---|
| Model | Approx Size (W x L) | Splice / ANT Capacity | Max Pre-Con Capacity | Trays Per Dome | Total Splice Capacity |
| Lite | 185 x 390mm | 24 per tray | 24 LC / APC 12 SC / APC | 6 | 144 |
| Small | 285 x 388mm | 12 per tray | 48 LC / APC 24 SC / APC | 24 | 288 |
| Medium | 285 x 512mm | 12 per tray | 96 LC / APC 48 SC / APC | 56 | 672 |
| Large | 285 x 635mm | 12 per tray | 96 LC / APC 48 SC / APC | 88 | 1056 |

IP68 RATED

# FIBRE INSTALLATION WITH A COLOUR-CODED SYSTEM

EM-Finity takes simplicity and efficiency to the next level with its coloured system. Extending from coloured port entries to corresponding trays. Traceability of fibre is greatly improved as a result of these features.

This colour-coded design transforms the installation into a seamless and quick task, allowing for easy identification at a glance. The benefits extend beyond installation; the colour-coded system ensures ongoing simplicity throughout the network. Adhering to recognised standards becomes self-explanatory for technicians, minimising errors and streamlining maintenance.
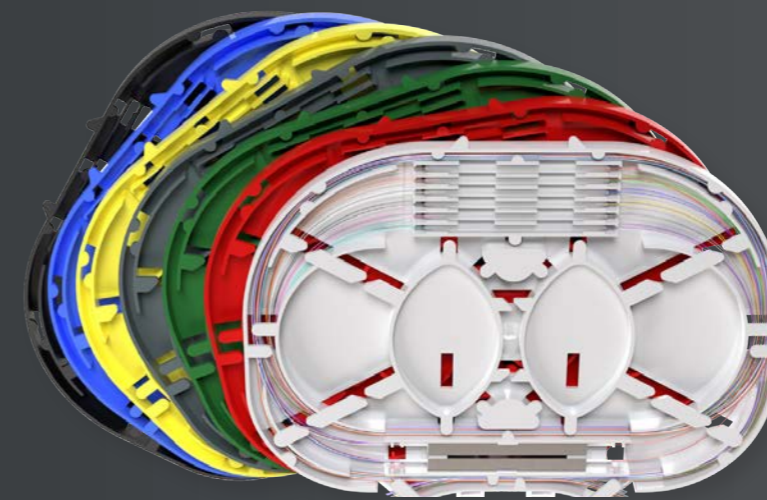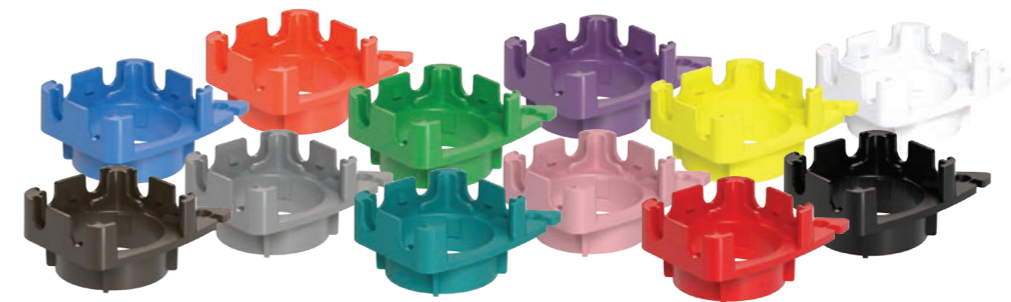
Reduce Errors ✔
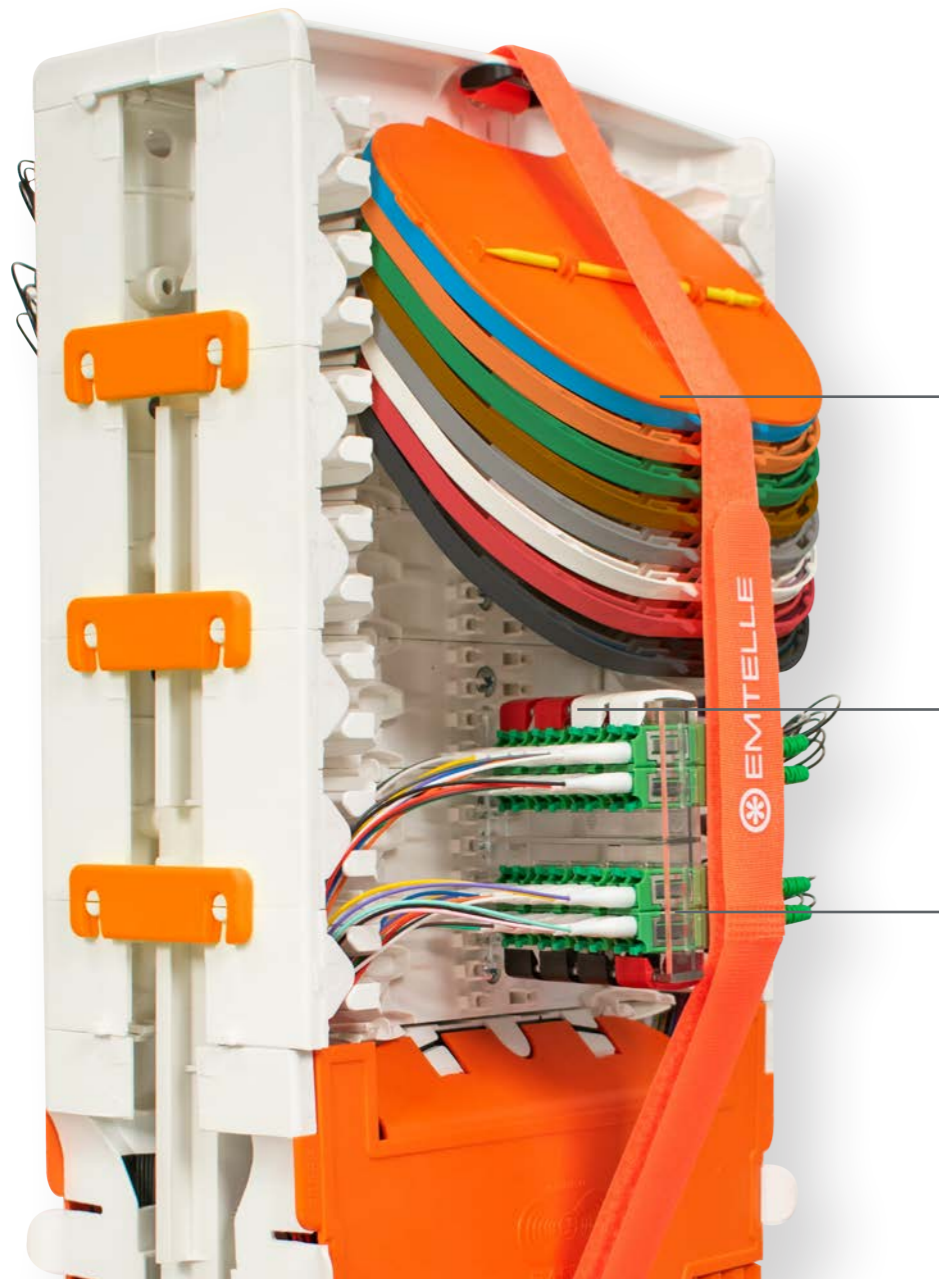
Simplify Record Keeping ✔

Accelerate Fault Detection ✔

# PRE-CONNECTORISED

EM-Finity is your ticket to unmatched efficiency and flexibility for a seamless integration process - a pre-connectorised option for ultimate ease is offered as part of the range.

**Mix-and-Match Flexibility:** With the Pre-Connectorised EM-Finity, you can customise your dome to suit your needs. Whether you require partial or complete pre-connectorisation, we've got you covered. This is not just a one-size-fits-all solution, but a solution that can be tailor made to your exact requirements.

**Choice of Connectors:** We understand that every network is unique, so we offer pre-connectorisation with either LC or SC/APC connectors. Whether you prioritise performance or compatibility, rest assured that our pre-connectorised solution will meet your requirements with precision.

**Colour-Coordinated Clips:** Our priority is keeping your installation process organised and efficient. That's why we've gone the extra mile to colour-coordinate the clips on our fibre adapter mounts—with our intuitive design; you can ensure a seamless installation process every time.

**96** customer connections max.

Splitters or splice trays can accommodate PLC splitters, fusion splicing, ribbon splicing and ANT type splice protectors. With fibre management for front to back routing of the fibres.

Unique colour coded fibre adapter mounts and coloured pigtails makes installation and identification simple, quick and self-explanatory.
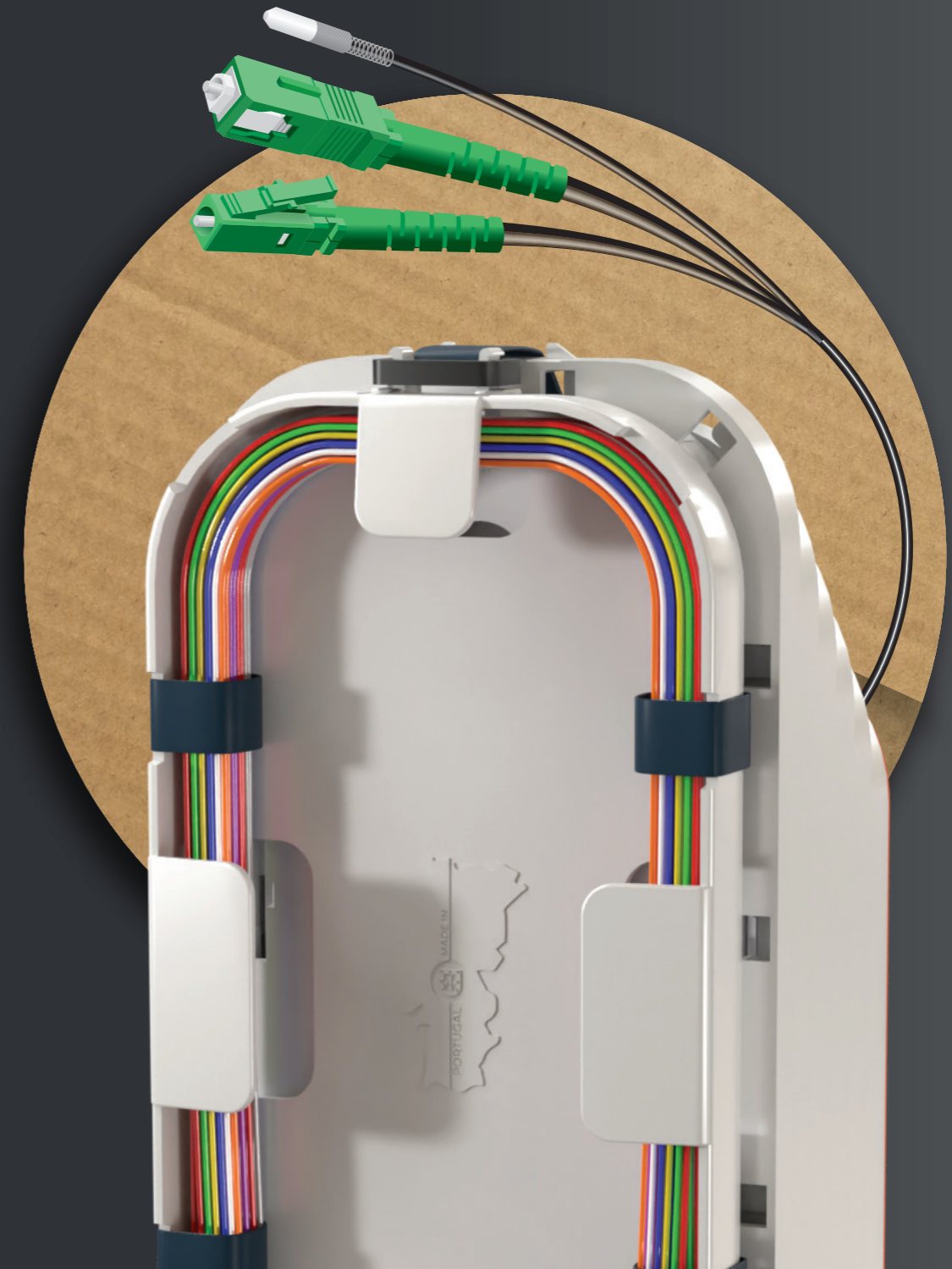
One modular fibre adapter mount can hold up to **32** customers.

Up to **96** individual drop ports available on the base.

# MIX & MATCH

Have fibre splicing and pre-connectorised networks in one closure.

A closure that supports both fibre splicing and pre-connectorised solutions offers unparalleled flexibility, efficiency, and reliability. It streamlines deployment by accommodating different project requirements, reducing installation time, and minimising costs. This versatility ensures scalability, simplifies maintenance, and future-proofs the network against evolving technologies. In essence, it combines the benefits of both methods to provide a versatile and future-ready solution for modern network deployments.

# PORTS & SEALS

## We are enabling Engineers for Future-Ready Networks.

Seal cable & microduct entries effortlessly with our range of mechanical gel seals, or heatshrink if preferred. Our all inclusive kits streamline cable preparation and installation, providing technicians with a hassle free solution for both current needs and future expansion.

Stay ahead of the curve with EM-Finity, ensuring efficient and adaptable networks for years to come.

1  Oval port for 5-12mm cables

2
- 8 x 4-6mm
- 12 x 5mm
- 6 x 6-8mm
- 2 x 8-10mm, 2 x 10-12mm

# EXPANSION KIT

## Your gateway to transformative network expansions.

The small, medium & large (splice only) closures can be expanded to accommodate more fusion splices or splitters. Simply add our unique expansion ring and then install the modules with the relevant number of trays to configure it your way.
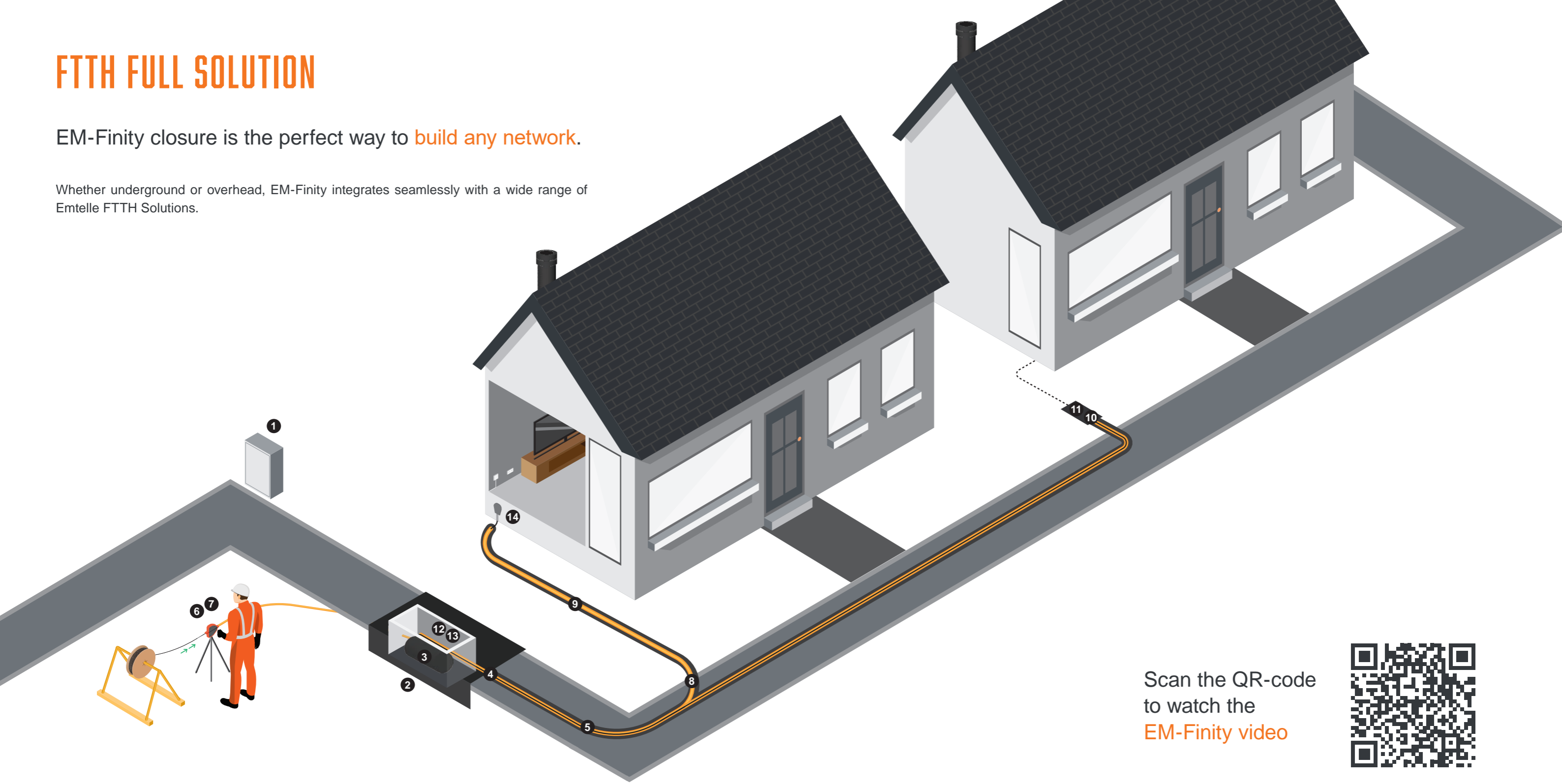
Expansion Kit: Available to increase number of splices by 384 splices per expansion kit or increase Pre-connectorised customer drops (Maximum 96).

# FTTH FULL SOLUTION

EM-Finity closure is the perfect way to build any network.

Whether underground or overhead, EM-Finity integrates seamlessly with a wide range of Emtelle FTTH Solutions.

Scan the QR-code to watch the EM-Finity video

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| Cabinet | Access Chamber | EM-Finity Closure | Microduct / Tube Bundle | QWK REVOLink3 | DropDrive | Lubricant |

| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|
| EM-Bend | Universal Drop Tube | Toby Box+ | EM-Marker | ELF | Connector | Trunking |

# FULL SOLUTION OVERVIEW

**Recommended Products**

Our solutions are made to perfectly complement your network installations, working together seamlessly for optimal performance.

**Cabinet** - Suitable for dense distribution of customer connections and large distribution cables. Customer connections can be directly spliced or distributed through the LGX splitter modules.

**EM-Finity Lite** has the capability to have either 144 splices, or 12 SC or 24 LC pre-connectorised customers.

**QWKREVOLink3** is a pre-connectorised fibre drop cable for FTTx installation. Streamlining the installation process and considerably lowering the capital expenditure typically required for installation equipment.

**Lubricant** reduces frictional drag during the blowing of small diameter fibre optic minicables into microducts.

**Access Chambers** have been designed for both footway and carriageway installations, where they provide access to underground ducting.

**Tube Bundles** each boasting microducts with low friction performance. With a robust, thin & tough sheath that envelops each tube bundle, ensuring unmatched protection and durability.

**DropDrive** Emtelle's cutting-edge drill-assisted pushing machine designed to seamlessly enhance fibre optic pushing installations. Making fibre drop solutions available to the masses.

**EM-Bend** product is designed to be quick and easy to install only using cable ties. It offers a smooth 90° bend while protecting the tube connector for optimal cable blowing performance. Can also be used as an L/T-branch.
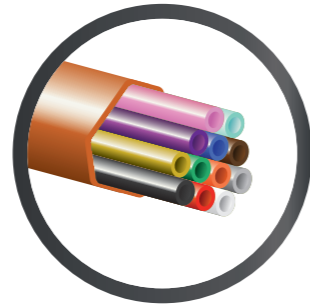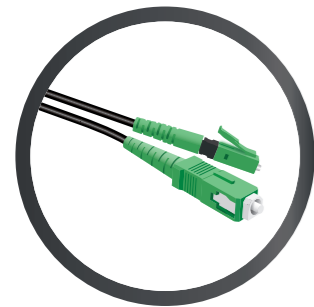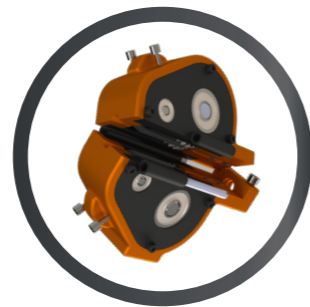
**Universal Drop Tube** is used as a customer drop tube for a variety of installations – it can be used overhead, in duct, along walls or directly buried. With GRP strength members in the wall, the Universal Drop Tube is spade resistant.

**EM-Marker** is a compliant telecommunication underground marker that is placed underground to easily trace key points of infrastructures. Other uses include being used as an end cap or with the EM-Bend.

**Push-fit Connectors** are suitable for use with FibreFlow microducts of the same size. They ensure a seamless and airtight connection when blowing fibre cable at up to 15 bar working pressures.

**Toby Box+** is a compact access point from where a technician can easily maintain and install customer connection infrastructure. It can be used to store excess cable slack or fit a compact splice closure.

**Emtelle Fibre Lock System** to eliminate lateral movement of terminated microcables due to vibration or thermal expansion / contraction of the duct system. Design specifically for Emtelle FibreFlow products.
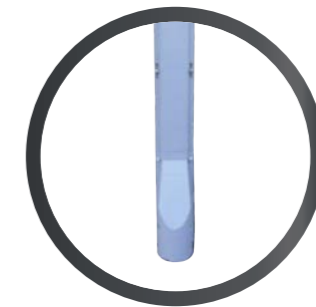
**External Customer Lead In** and through wall protection of fibre optical customer drop cable.

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### TOGETHER EVERYTHING CONNECTS

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