



Communication Markets Division

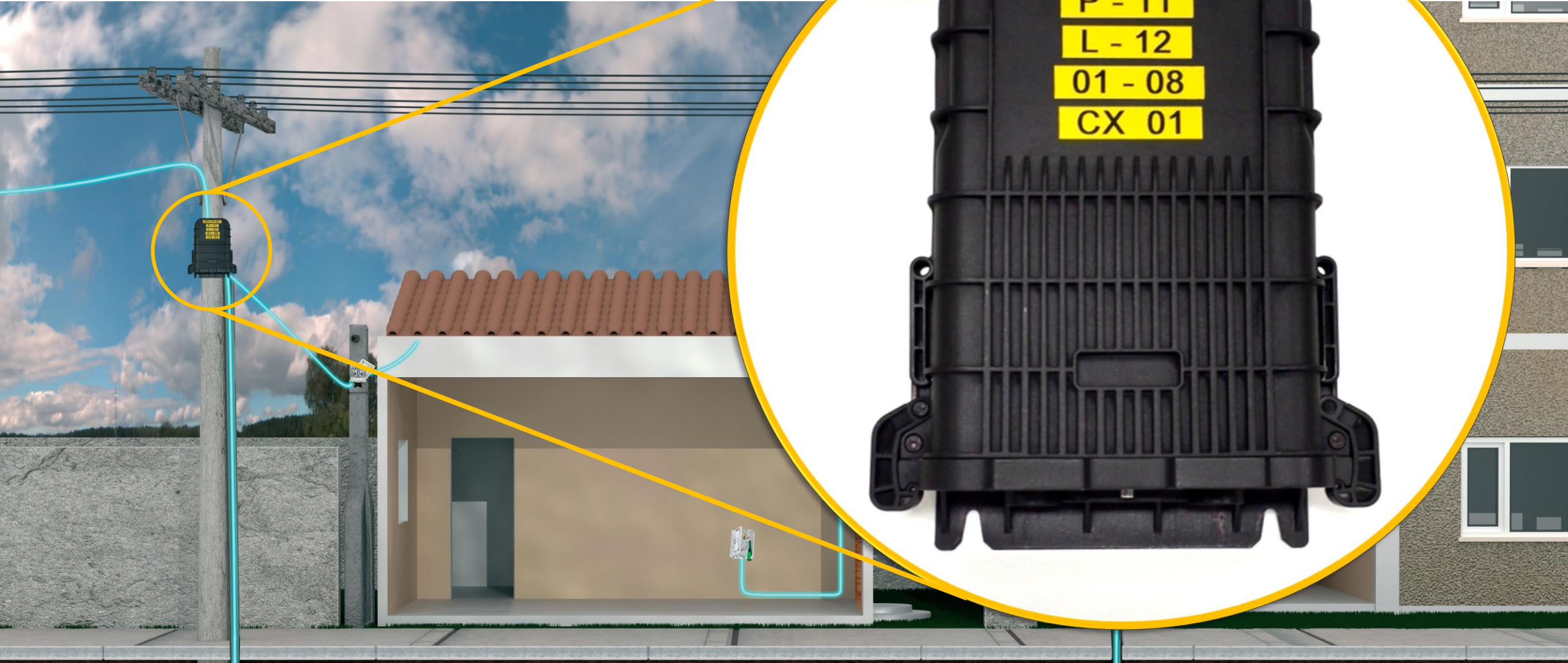
3M™ CTO NG 16

Fiber Optic Terminal Closure

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Feb/2016

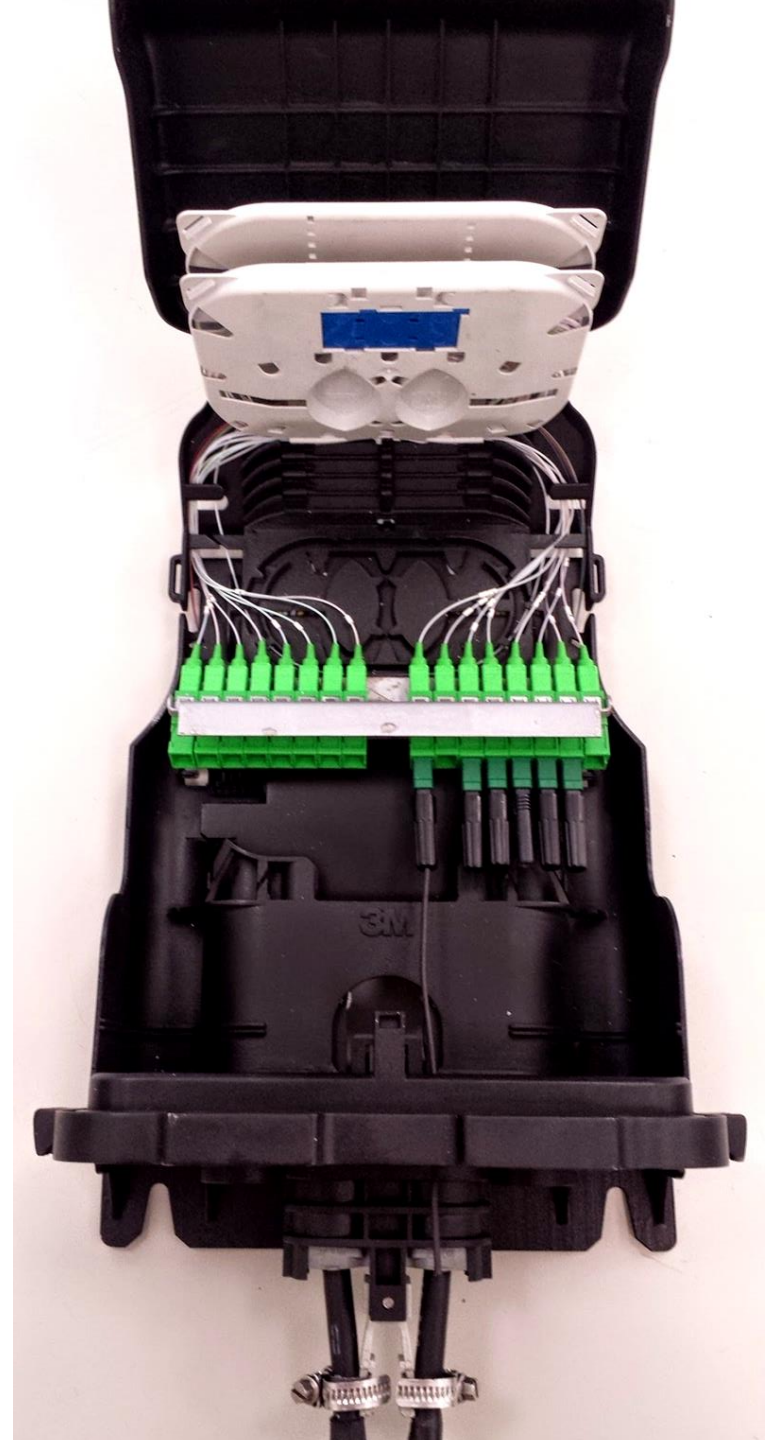
3M™ CTO NG 16

Fiber Optic Terminal Closure – Up to 16 subscribers



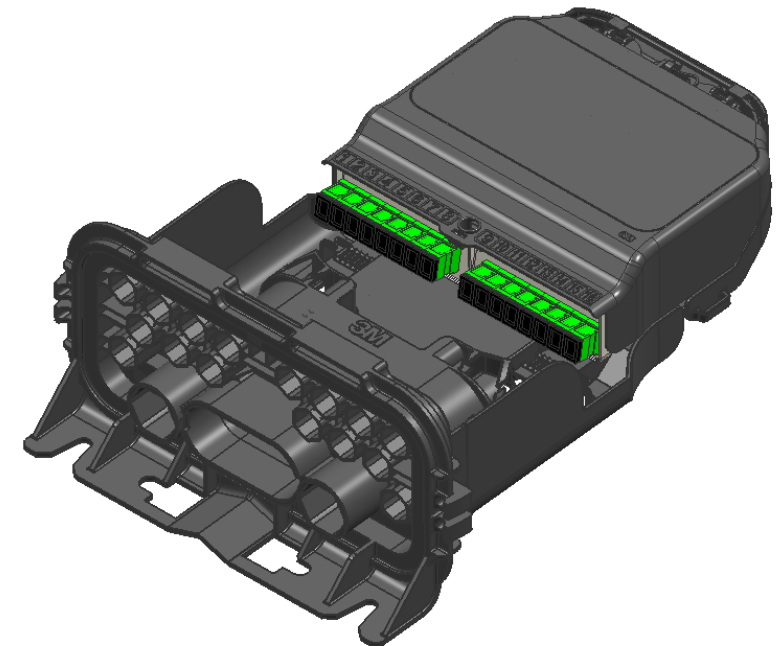
Operational benefits

- ✓ **Reduces Field Failures (craft insensitive)** → OPEX increase: CTO's Design avoids unauthorized access to optical trays and eliminates disconnections risk during subscriber activation
- ✓ **Customized drop cables and lengths** optimizes installation and OPEX
- ✓ Fast to install: connection is **performed at street level** and further inserted at CTO
- ✓ Loose tube storage area
- ✓ Eliminate splicing loss: Main cable doesn't need to be cut when installing CTO (pass-through system)
- ✓ Also supports **Splicing application (up to 72 fibers)**
- ✓ Pay-as-you-grow: 8 + 8 Drops expansion



General Specification

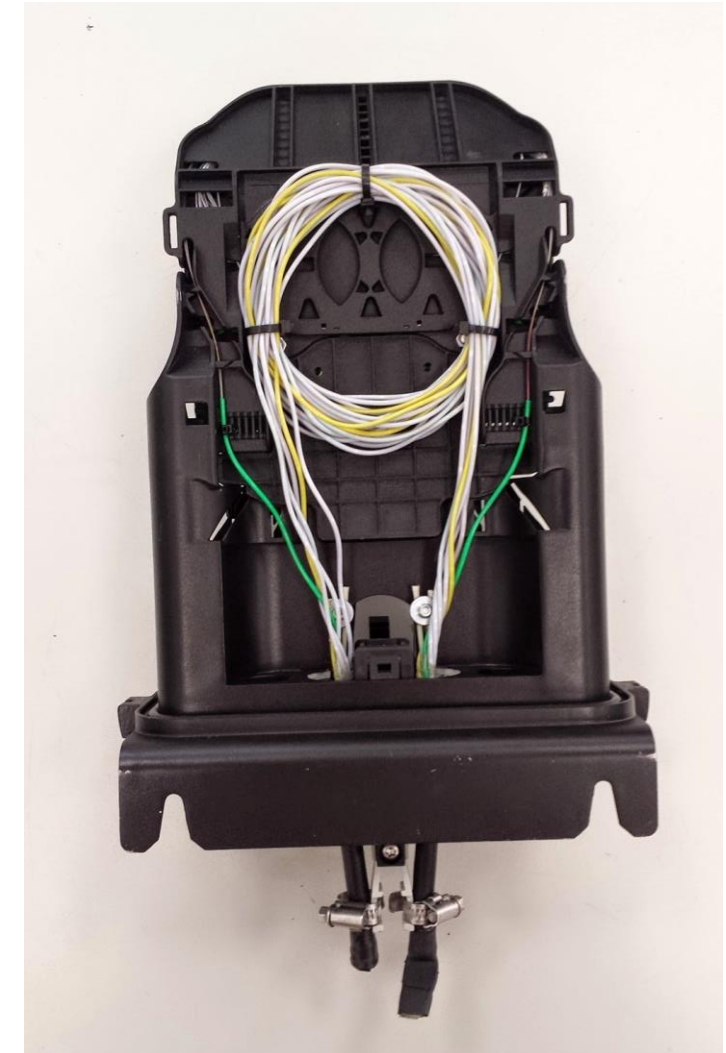
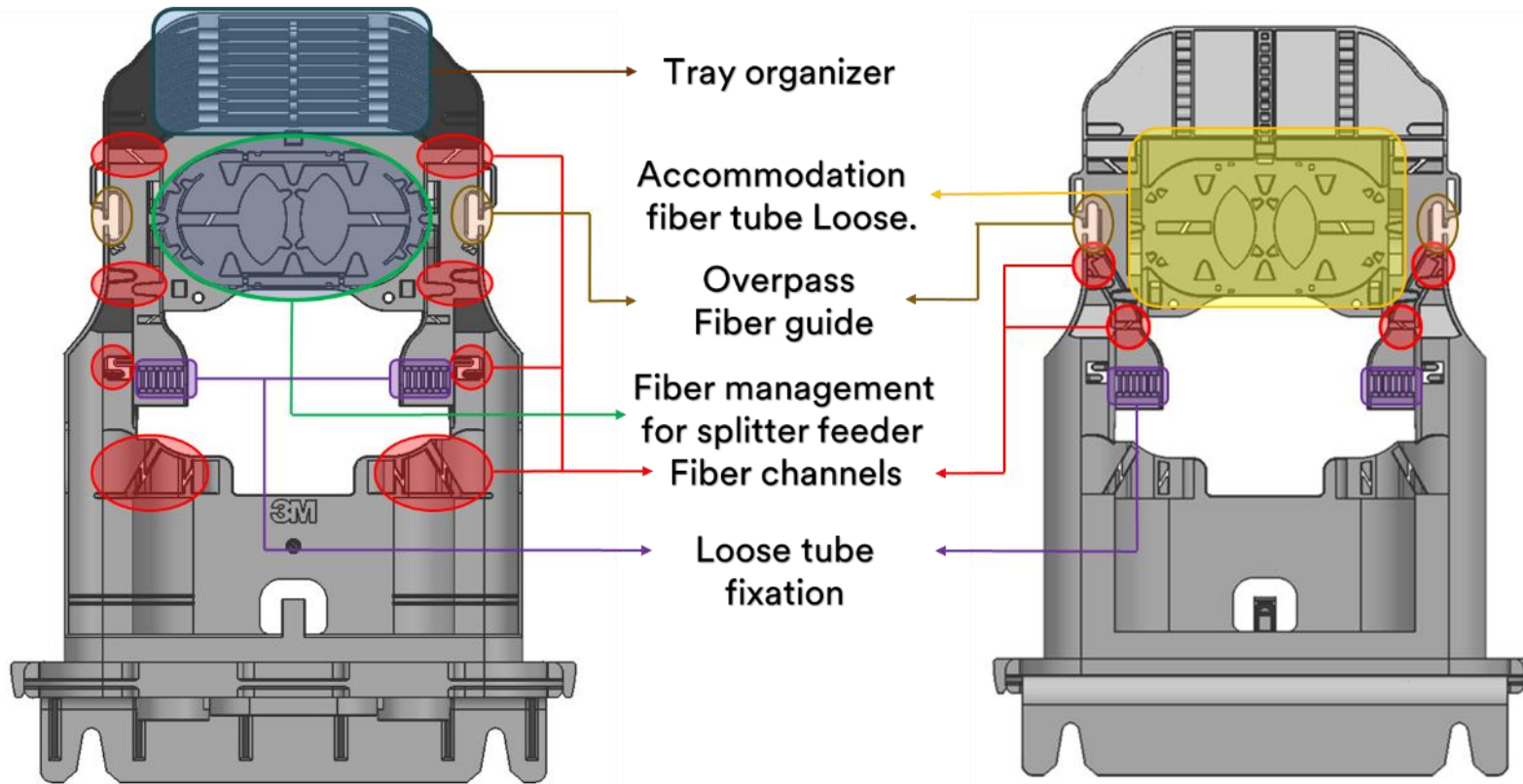
- Available versions (couplers):
 - ✓ Internal (S7 design)
 - ✓ External (S9 design)
 - ✓ Pre-connected Market Standard
- SC connectors or Fusion splice versions
- 16 drop output ports
- 2 derivation ports
- Supported cables: 4 up to 12 (main) and 6 up to 8mm (derivation)
- Mechanical entry through ECAMs system
- Splitters capacity: 2x1:8 or 1x1:16 (SC/APC)
- Supports up to 30 splicing using 3M Fibrlok™
- Aerial application (pole and building facade)
- Allows management of uncut fibers and additional splitter activation → No service interruption even in case drops are connected
- IP65 (2nd version in development: IP68)
- Physical Dimension: 345mm x 280mm x 127mm



Product Design

Plastic material: PP EP 200K + UV

Weight : 1,65 Kg

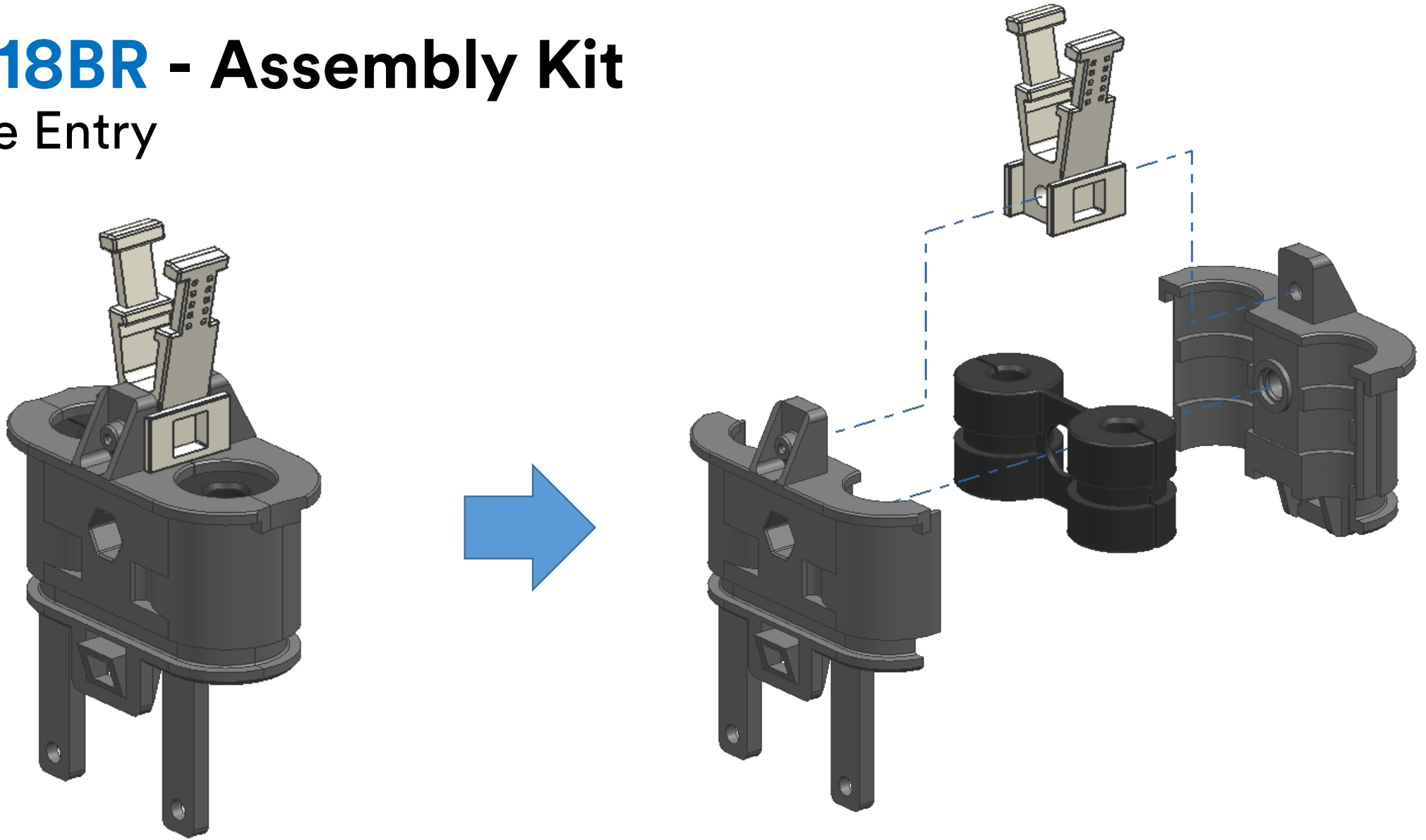


Characteristics

Features	Benefits
Double sided closure	Clear demarcation point between network and subscriber side Greatly reduced splice issues during customer activation
Loose tube storage area	Allows different type of high count cable installation
Compatibility with ECAM cable system	All mechanical sealing ports avoiding the use of heat or any other special tool
16 Drop ports	Larger service capacity - allows more customers per box
2 derivations ports	Multifiber cable output for further network or direct building service
Fixed couplers faceplate (no pivoting tray)	Avoid drop cable twist
Mechanic cable entries	Outside field cable preparations, with later insertion - Easy to deploy
Field connectors compatible	Opex savings with custom drop cable length

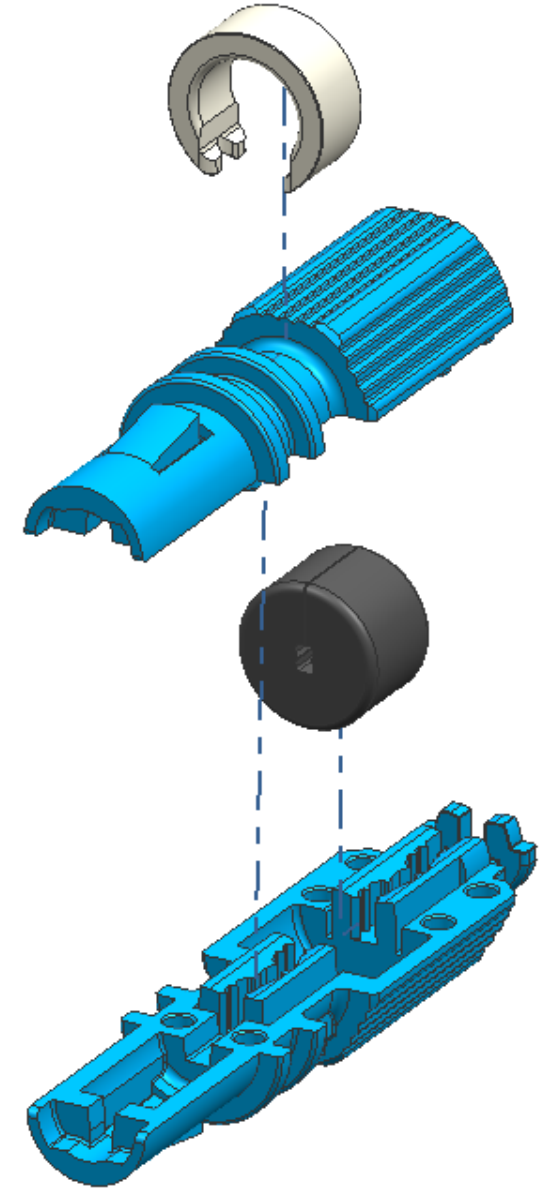
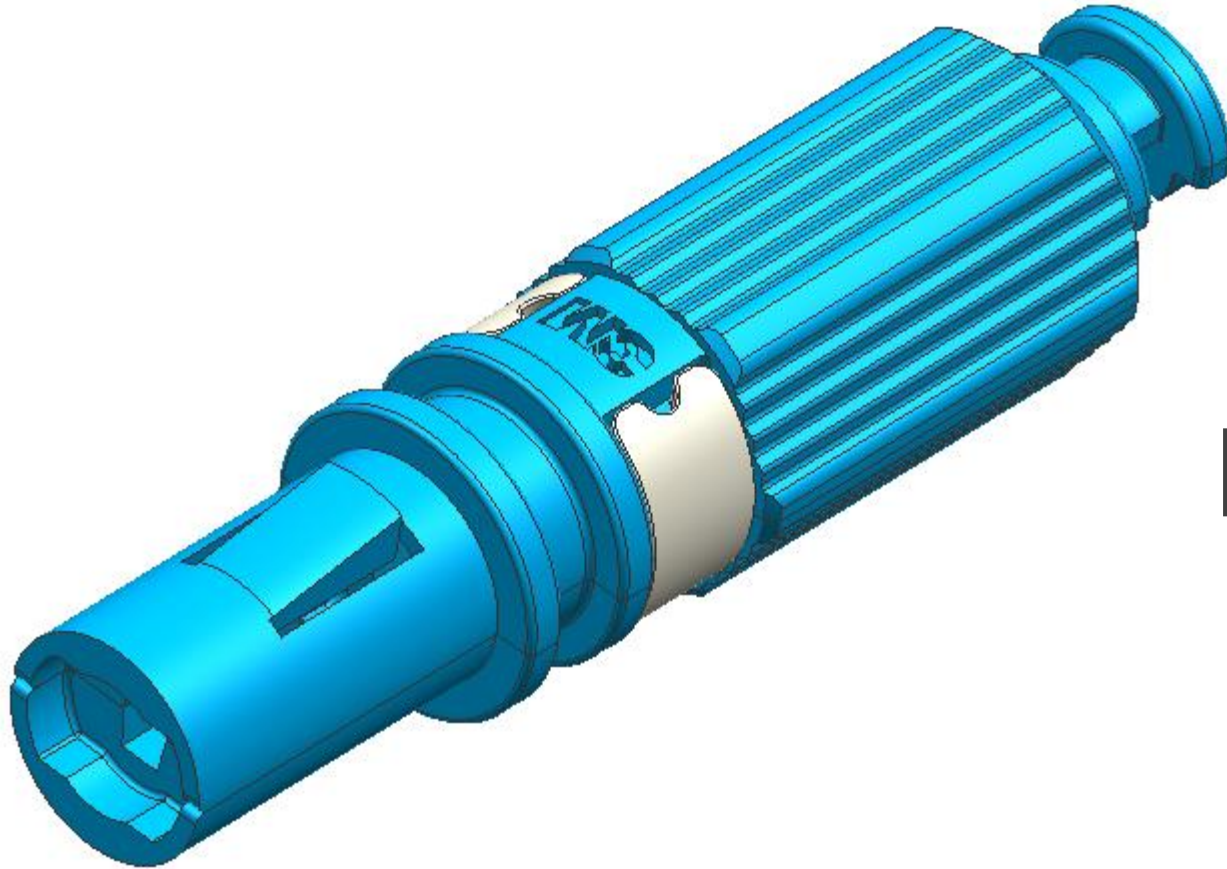
Ecam D18BR - Assembly Kit

Main cable Entry



Mini Ecam BR - Assembly Kit

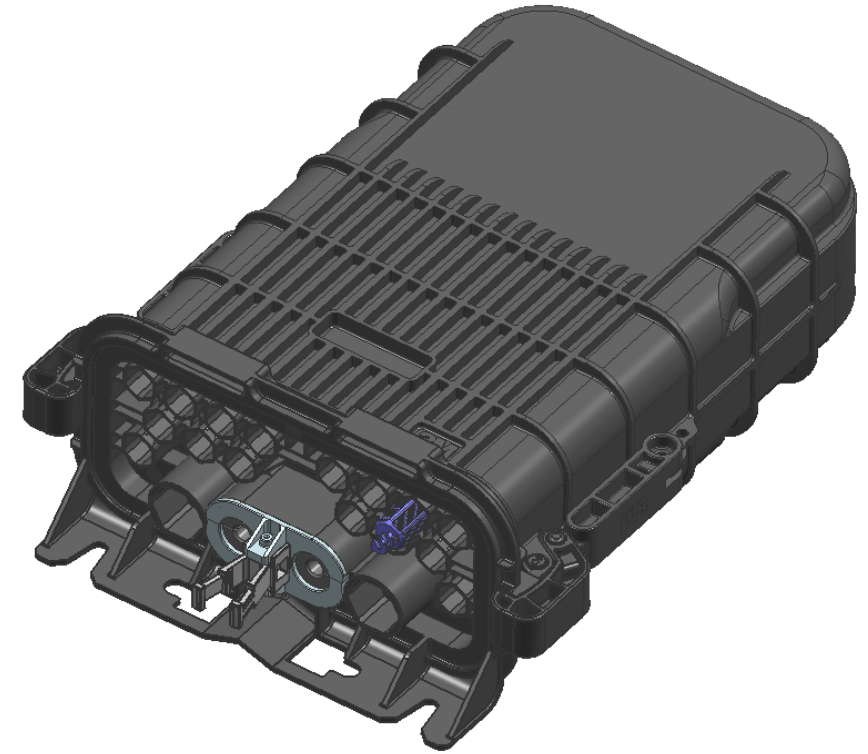
FRP 2x3mm Drop cable entry



Internal Connectors Version

Items included:

- 1 Closure with S7 base
(ports: 16 drop / 1 main / 2 derivation)
- 1 Dome
- 1 protector for trays
- 1 BPEO tray 10mm
- 1 BPEO tray 5mm
- 1 Ecam D18 BR
- 8 Mini Ecam FRP BR



x 2



x 1



x 8

Version in development

External drop connection

- Drop activation with closed closure
- Field mount drop termination or factory terminated
- Up to 16 subscribers

