



*in partnership with*

CORNING

Telenco & CORNING  
**BPEO Optical  
Splice Closures**

Developing tomorrow's networks, today

Initially designed for distribution and feeder networks, the BPEO range of optical splice closures is enlarging with new kits engineered for FTTH access networks.

The Telenco Group offers all of these watertight enclosures, as well as the associated accessories.

Discover how this range has been constantly evolving over the past 30 years so to provide you with solutions for making the most out of optical connections. These products feature new mechanical cable entries, compatible accessories (e.g. splice trays for BPEO and ODP – Optical Distribution Point) and a pre-terminated connectivity.

Thanks to this wide variety of configurations, the BPEO range meets all type of scenarios that a professional may encounter on site.

## Benefits of the BPEO solution

- Toolless and simplified opening/closing system
- Unique ECAM design – mechanical cable entries enabling to add cables without interfering with the optical cables already installed
- Watertightness of optical splice closures (IP68) controlled for each product individually by the manufacturer
- High accessibility to fibres
- No flame or resin required for preparing the cable entries
- Fibre management/ protection on a real splice tray
- Splice trays for the management of 250µm fibres
- Possible to install different splice trays on the same organiser
- On site testing valve (IP68)

## Our partner Corning

Inventor of low-loss fiber optics, Corning has established its reputation as one of **the world's innovation leaders in materials science since more than 165 years**. From Data Centers to customer's premises, Corning Optical Communications products are **installed by all telecom operators** in partnership with Telenco.

At Telenco, we are committed to:

- provide the best support in order to rightsize tomorrow's networks.
- offer quality and easy to install products so to reduce at most intervention times.
- always bring an adapted solution to our customers' needs.

It is for all these reasons that **Corning trusts us** since all these years.

# DISTRIBUTION AND ACCESS NETWORKS

## BPEO S0



The watertight optical splice closure BPEO Size 0 has been designed for enabling FTTH customer connections in overhead layout, on poles or facades with G.652 or G.657 fibres. Thanks to its compact design (volume < 2 liters), this optical splice closure is perfectly suitable for occupied manholes. Its spike shape enables easier operations. Including 4 slots, the organiser can accommodate up to 4 splice trays of 5mm (1 slot each) or 2 splice trays of 10mm (2 slots each). Both its dual port and 14 single ports enable to meet the full range of use cases (residential, buildings, mixed) and save installation times thanks to the new simple ECAM: S 4-6mm. This BPEO is also available in pre-terminated versions "ECAM Connect". Depending on the chosen version, some of its ports are equipped with SC/APC connectors.

- Capacity: 48FO
- Permissible cable Ø: 3 to 18mm
- Volume: < 2 liters
- Dimensions (L x H x D): 240x230x90mm
- Mounting bracket included
- Ingress Protection: IP68 (black); IP56 (grey)
- Flash test: 200mb (IP68 splice closures)

### POSSIBLE CONFIGURATIONS



with mounting bracket



with mounting bracket  
**FTTH NEW RELEASE**



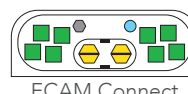
with mounting bracket  
**FTTH NEW RELEASE**



with mounting bracket  
**FTTH NEW RELEASE**



ECAM Connect  
4 SC/APC with  
mounting bracket



ECAM Connect  
8 SC/APC with  
mounting bracket

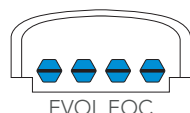
## BPEO S1



The BPEO Size 1 is a watertight splice protection closure enabling up to 144 fusion splice connections or 72 Fibrlock™ 2540G mechanical splices. The organiser presents 12 positions (12 slots). It enables to set up 12 splice trays of 5mm (1 slot) or 6 splice trays of 10mm (2 slots) for the management of micro-modules in transit. For the storage of loose tube fibres, it accommodates 8 splice trays of 5mm (1 slot) or 4 splice trays of 10mm (2 slots). Multifunctional, this optical splice closure is available in various models so to meet the different possible applications. Thus, the BPEO S1 is used for network extension, creating a network branch and enabling customer connections. The new versions of FDP Branch and Drops are ideal for FTTH access network connections. A new version including a 7-position organiser (7 slots) is available and offers more space for the management of fibres in transit. Also available in ECAM Connect version.

- Capacity: 144FO
- Permissible cable Ø: 3 to 20mm (Ø 18 for FDP BRANCH and FDP DROPS)
- Volume: 4.8 liters
- Dimensions (L x H x D): 335x204x92mm
- Ingress protection: IP68 (black); IP56 (grey)
- Flash test: 500mb (IP68 splice closures)

### POSSIBLE CONFIGURATIONS



EVOL EOC



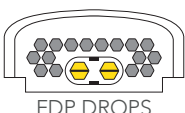
EVOL CDP



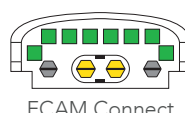
EVOL EDP



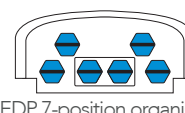
FDP BRANCH



FDP DROPS



ECAM Connect  
8 SC/APC



EDP 7-position organiser  
**NEW RELEASE**

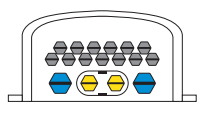
## BPEO S1.5



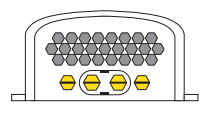
The BPEO Size 1.5 is a watertight optical splice closure enabling up to 144 fusion splice connections or 72 Fibrlock™ 2540G mechanical splices. While extremely compact, this new BPEO plays the role of a distribution hub between the Fibre Concentration Point (FCP) and all the Optical Distribution Points (ODP). Equipped with a new organiser with an enlarged fibre management area so to meet the needs of new generation modulo 6 cables. Featuring 12 positions (12 slots), the organiser enables the installation of 12 splice trays of 5mm (1 slot) or 6 splice trays of 10mm (2 slots). This BPEO is also available in pre-terminated « ECAM Connect » versions. Depending on the selected model, some ports are equipped with SC/APC connectors.

- Capacity: 144FO
- Permissible cable Ø: 3 to 18mm
- Volume: 5.6 liters
- Dimensions (L x H x D): 382x204x120mm
- Mounting bracket included
- Ingress protection: IP68 (black); IP56 (grey)
- Flash test: 500mb (IP68 splice closures)

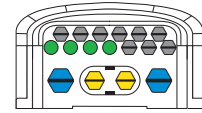
### POSSIBLE CONFIGURATIONS



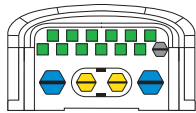
FDP BRANCH



FDP DROPS



ECAM Connect  
4 SC/APC



ECAM Connect  
12 SC/APC

# CORE AND FEEDER NETWORKS

## BPEO S2



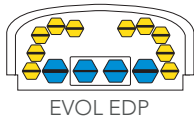
The BPEO size 2 is a watertight optical splice closure enabling up to 336 fusion splice connections or 168 Fibrlock™ 2540G mechanical splices. The organiser presents 28 positions (28 slots). It accommodates 28 splice trays of 5mm (1 slot) or 14 splice trays of 10mm (2 slots), used for the management of 250µm fibre. An area underneath the splice tray organiser is provided for the management of fibres, tubes or micro-modules in transit. This BPEO is the most appropriate optical splice closure for core and feeder networks.

- Capacity: 336FO
- Permissible cable Ø: 4 to 27mm
- Volume: 17.3 liters
- Dimensions (L x H x D): 520x341x149mm
- Ingress Protection: IP68
- Flash test: 500mb

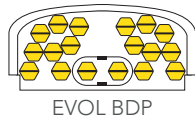
### POSSIBLE CONFIGURATIONS



EVOL CDP



EVOL EDP



EVOL BDP

## BPEO S3



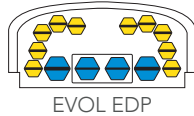
The BPEO size 3 is an optical splice closure enabling up to 576 fusion splice connections or 288 Fibrlock™ 2540G mechanical splices. The organiser presents 48 positions (48 slots) accommodating thus either 48 splice trays of 5mm (1 slot) or 24 splice trays of 10mm (2 slots), used for the management of 250µm fibre. An area underneath the splice tray organiser is provided for the management of fibres, tubes or micro-modules in transit. For optical distribution, branch or extension. This optical closure suits to all applications within the core network.

- Capacity: 576FO
- Permissible cable Ø: 4 to 27mm
- Volume: 23.8 liters
- Dimensions (L x H x D): 661x341x149mm
- Ingress Protection: IP68
- Flash test: 500mb

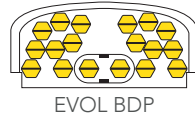
### POSSIBLE CONFIGURATIONS



EVOL CDP



EVOL EDP



EVOL BDP

### LEGEND

#### SIMPLE ECAM

ECAM S 3-7mm

ECAM S 3.5-9.5mm

ECAM S 4-6mm

ECAM S 4-12mm

ECAM S 5-18mm

#### ECAM DOUBLES

ECAM D 6-18mm  
(possible to install 2 ECAM S 4-12mm into the plug)

ECAM D 5-20mm  
(possible to install 2 ECAM S 4-12mm into the plug)

ECAM D 5-27mm  
(possible to install 2 ECAM S 18mm into the plug)

#### ECAM CONNECT

Port with SC/APC connectors

Test valve

## PRODUCT REFERENCES

### Optical splice closures

09217	BPEO S0 optical splice closure with mounting bracket
13096	BPEO S1 EVOL EOC optical splice closure
7280	BPEO S1 EVOL CDP splice closure
10440	BPEO S1 EVOL EDP splice closure
12128	BPEO S1 FDP BRANCH splice closure
13301	BPEO S1 FDP DROPS splice closure
09386	BPEO S1.5 FDP BRANCH with mounting bracket
09387	BPEO S1.5 FDP DROPS with mounting bracket
10499	BPEO S2 EVOL BDP splice closure
09151	BPEO S2 EVOL CDP splice closure
7624	BPEO S2 EVOL EDP splice closure
13431	BPEO S3 EVOL BDP splice closure
13432	BPEO S3 EVOL CDP splice closure
09388	BPEO S3 EVOL EDP splice closure

### Kit products

18432	BPEO S0 FDP kit (4 ECAM S6; ECAM D18; Cable entry 6-9mm)
18433	BPEO S1 FDP kit (ECAM D18; Cable entry 6/9&9/12; 8K7; mounting bracket)
18434	BPEO S1.5 FDP kit (ECAM D18; Cable entry 9/12&12/15; 12K7; mounting bracket)
18435	BPEO S2 BDP kit (ECAM D18; Cable entry 12/15&15/18; 28K7; mounting bracket)
18436	BPEO S3 BDP kit (ECAM D18; Cable entry 12/15&15/18; 36K7; mounting bracket)

### ECAM Connect SC/APC closures

16273	BPEO S0 grey ECAM Connect 8 SC/APC IP56 splice closure
16274	BPEO S0 black ECAM Connect 4 SC/APC IP68 splice closure
16275	BPEO S0 black ECAM Connect 8 SC/APC IP68 splice closure
16276	BPEO S1 black ECAM Connect 8 SC/APC IP68 splice closure
16277	BPEO S1.5 black ECAM Connect 12 SC/APC IP68 splice closure

### ECAM Connect Drop cables

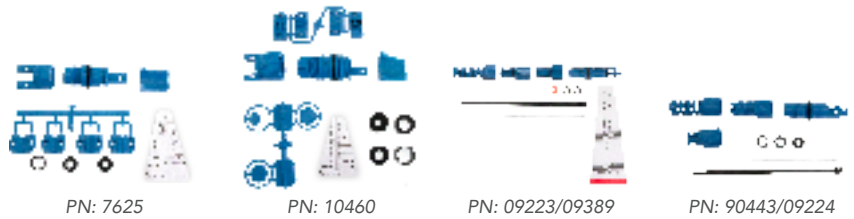
16279	ECAM Connect Aerial pre-terminated drop cable – 40m
16280	ECAM Connect Aerial pre-terminated drop cable – 60m
16281	ECAM Connect Aerial pre-terminated drop cable – 100m
16282	ECAM Connect Aerial pre-terminated drop cable – 150m



# BPEO ACCESSORIES

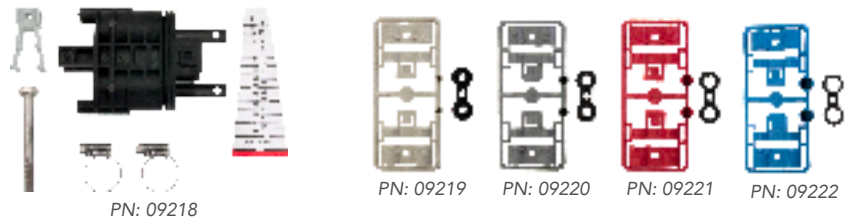
## SIMPLE ECAM

- 09223 Complete simple ECAM 3-7mm
- 09389 Complete simple ECAM 3-7mm/100
- 90443 Complete simple ECAM 3.5-9.5mm
- 09224 Complete simple ECAM 3.5-9.5mm/60
- 7625 Complete simple ECAM 4-12mm
- 10460 Complete simple ECAM 5-18mm



## DOUBLE ECAM WITH MECHANICAL SEALING

- Kit to choose from:
- 09218 Double ECAM 6-18mm
  - ↳ 09219 ECAM Cable entry kit 6-9mm
  - ↳ 09220 ECAM Cable entry kit 9-12mm
  - ↳ 09221 ECAM Cable entry kit 12-15mm
  - ↳ 09222 ECAM Cable entry kit 15-18mm



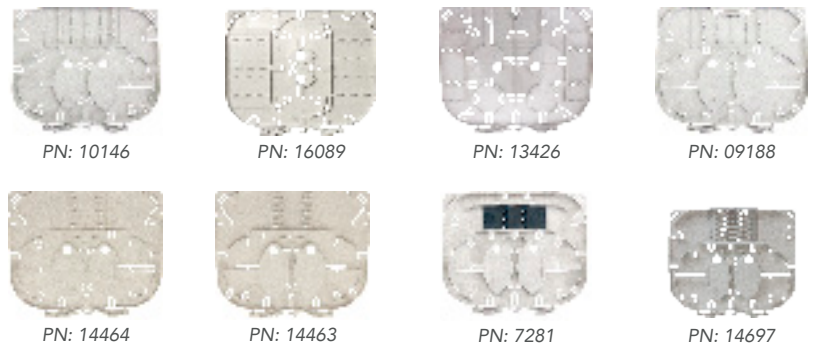
## DOUBLE ECAM WITH MASTIC

- 5272 Complete double ECAM 5-20mm
- 10543 Complete double ECAM 5-27mm



## SPLICE TRAYS

- 10146 5mm 12 fusion splices
- 16089 5mm 24 fusion splices (2x12FO) G.657 fibre
- 13426 5mm 12 fusion splices (2x6FO) G.657 fibre
- 09188 5mm 9 fusion splices + splitter position 4x4 PLC
- 14464 5mm 6 Fibrlok™ 2540G
- 14463 10mm 12 Fibrlok™ 2540G
- 7281 10mm 12 fusion splices + splitter position
- 14697 10mm universal – compatible with 12 Fibrlok™ 2540G mechanical splices or 12 heat shrink fusion splice protection (2.4 x 45mm or 60mm)



## MOUNTING BRACKET

- 11447 Plastic for BPEO S1/1.5 on pole/facade
- 11448 Plastic for BPEO S2/3 on pole/facade
- 15207 Plastic for BPEO S1 for pole mount
- 10441 Metal for BPEO S1 on pole/facade
- 10442 Metal for BPEO S2/3 on pole/façade



## WATERTIGHTNESS TEST

It allows to test the waterproofness of fibre optic and copper splice protections under 500 millibars. Lightweight and easy to use, this watertightness test suits to all working conditions.

- 18241 EURO17 watertightness test – full kit

Including:

- 1 Flexible hose with valve adaptor
- 500 millibar regulator
- Protective case
- 1 Blowing agent spray
- 1 Leak detector spray





For more information, visit:  
***[www.telenco-store.com](http://www.telenco-store.com)***

