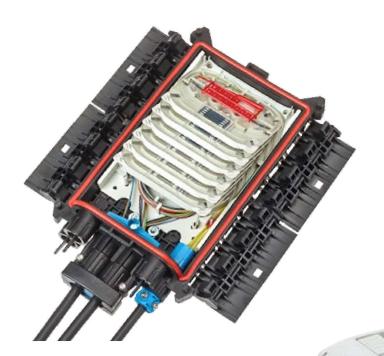# 3M™ Fiber Closure BPEO Size 1

The 3M™ Fiber Closure BPEO Size 1 organizer can be equipped with up to 12 splice trays if the closure is being used with standard microstructure cables in midspan applications. Alternatively if loose tube cables are to be used in a midspan application then the splice tray capacity is eight.

The maximum capacity of the organizer is 72 mechanical 3M™ Fibrlok™ Splices or 144 fusion splices located within 12 trays.

The BPEO Size 1 comes with a 12 slot organizer, tube structure clamps and installation tool and a fiber bridge guide. The fiber bridge guide is used to route individual output or unused fibers from one splice tray into the tray input of another splice tray in the organizer.

3M™ Fiber Closure BPEO Size 1 also comes in a gray color, which can be more attractive when used on the sides of buildings. Contact your sales representative for ordering information.

Specifications

General
Sealing: 7.2 PSI flash test
                IP68
Impact test: 14.75 ft. - lbs.
Pull Force: Drop = 22.5 lbs.
                Feeder = 225 lbs.

Dimensions overall in. (mm)

Closure body	With wall mount bracket	With pole mount bracket	With pole/wall mount bracket
Length	15.0 (382)	15.0 (382)	15.0 (382)
Width	8.0 (204)	12.2 (310)	9.1 (230)
Depth	3.6 (92)	3.8 (97)	4.8 (122)

Entry configurations

	EOC	CDP	EDP	FDP
Midspan entry (uncut)	no	yes	yes	yes
Storage of: Loose tube 3 mm / microstructure cable	yes yes	yes yes	yes yes	yes yes

Capacity
Capacity depends directly on the volume of stored/unused fibers/tubes. See pages 14-15 for additional configurations.

Closure size	Max number of slots for splice trays	Fusion splices in 10 mm tray (2 slots)	Fusion splices in 5 mm tray (1 slot, standard density for G.652D fiber)	Fusion splices in 5 mm tray (1 slot, high density for G.657 fiber)	3M™ Fibrlok™ Splice 2540G (6 ea in 5 mm tray / 12 ea in 10 mm tray)
Microstructure	12	144	144	288	72
Loose tubes 3 mm	8	96	96	192	48

Cable Entry Configurations

The 3M BPEO Size 1 is available in different models depending on the application in which they are to be used. These different models feature various combinations of the type and size of cable entries to suit network requirements.

The cable entry kits are available in various sizes to suit a range of cable diameters and whether they are to be used for single cables or for uncut (express) cable. For example, the 3M™ External Cable Assembly Module (ECAM) S18 covers cable diameters between 5 and 18 mm and the ECAM D20 is a double entry sealing kit for uncut (express) cables between 5 and 20 mm diameter.

The dual entry port can be converted to two single ECAM Kits (next smaller size) if no uncut cable enters the closure (end of span application). One or two single ECAMs can be used in place of the double ECAM as needed.

Single port for ECAM **S18**
(5 - 18 mm cable Ø)

Single port for ECAM **S12**
(4-12 mm cable Ø)

Dual port for ECAM **D20**
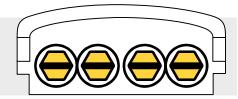(5 - 20 mm cable Ø)

Single port for ECAM **S7**
(3 - 7 mm cable Ø)

Single port for ECAM **S9.5**
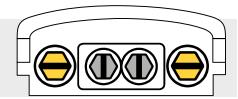(3.5 - 9.5 mm cable Ø)

Dual port for ECAM **D18**
(6 - 18 mm cable Ø)

EOC (End of Cable)
Straight joint four single entries ECAM **S18**

CDP (Cable Distribution Point)
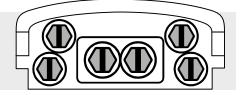*Two possible configurations*
- 1 dual port for double ECAM **D20** and 2 single ports for ECAM **S18** or
- 1 dual port for 2 single ECAM **S12** and 2 single ports for ECAM **S18**
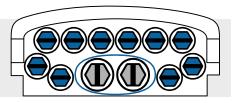
EDP (End Distribution Point)
Two possible configurations
- 1 dual port for ECAM **D20** and 4 single ports for ECAM **S12** or
- 1 dual port for 2 single ECAM **S12** and 4 single ports for ECAM **S12**

FDP BRANCH (Fiber Distribution Point for branch cables)
Two possible configurations
- 1 dual port for ECAM **D18** and 10 single ports for ECAM **S9.5** or
- 1 dual port for 2 single ECAM **S12** and 10 single ports for ECAM **S9.5**

FDP DROP (Fiber Distribution Point for Drop cables)
Two possible configurations
- 1 dual port for ECAM **D18** and 16 single ports for ECAM **S7** or
- 1 dual port for 2 single ECAM **S12** and 16 ports for single ECAM **S7**