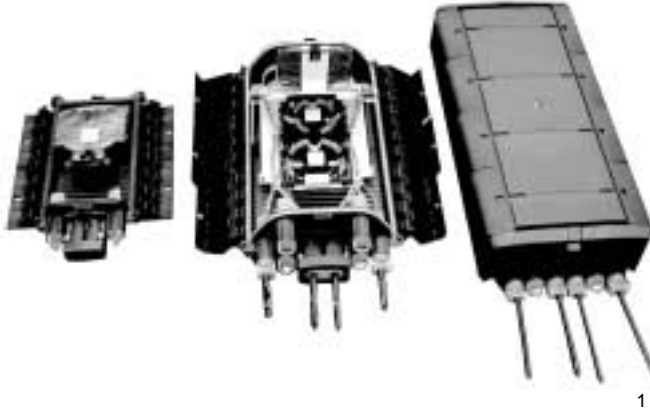




Quante™ BPEO Splice-Protection Closure for Optical Fiber Cables



- Unique latch mechanism for body seals and re-entry
- No resin, no power supply, no chemicals required
- No specific tools required
- Multiple re-entry
- Closure re-entry without breaking cable seals
- Fully mechanical cable seals

BPEO: The Closure

The closure is made up of two parts designed as a fast locking system with captivated clamps.

- No specific tools for the re-entries
- Watertightness is ensured by a half-shell gasket (resilient sealing)

BPEO: Fully Mechanical, Easy to Install, No Specific Tools

BPEO is the newest generation of watertight splice-protection closures for optical fiber networks. The BPEO range of product is designed for all types of networks from 12 to 432 optical fibers. These fully mechanical, watertight/sealed closures are designed for installations in the outside plant, in manholes or in directly buried, pole or wall applications. The design allows multiple re-entries.

Each closure is composed of:

- body
- cable seals
- tray support
- splicing trays

The range is comprised of three sizes for different capacities and applications.

The closure features small outer dimensions. The design of the full range is based on a low depth in order to fit in existing manholes or premises. Primary use is in butt configuration.

BPEO Value

- Fully mechanical

ECAM: The Mechanical Cable Entries

Two types are available:

- Single entry for cables up to 18 mm (0.71 in.)
- Double entry for midspan access application.

The ECAM entries have two main functions:

- Watertightness and anchoring
- The watertightness is fully mechanical
- The anchoring is done on the sheath, the central strength member and the strain-relieves

The installation of the cable entry is done completely outside the closure. The cable entry is fixed on the closure simply by clipping.

ECAM, the fully mechanical cable entry, will be very useful for connections and the local loop because of its simplicity.

The BPEO is designed for all the locations in the network

- Installation in manholes
- Directly buried
- Pole or wall mounting
- Aerial mounting
- Continuous pressure: 80 mbar



Features — Advantages — Benefits

Accepts a range of fiber optic cables	Will handle a fiber optic cable range of 12 to 432 fibers	Suitable for use in optical fiber backbones in existing premises
Watertight/sealed	Can be used in aerial, buried or underground applications	Will keep water out of the splice in typical environmental conditions
Unique latch mechanism	Easy to use, tool free opening and closing of the closure	No special tools are needed to close or re-enter the BPEO
ECAM Mechanical Single Port Cable Seal	Suitable for use on a wide range of cable diameters	Easy to use method of sealing the cable entry ports from the ingress of water, dirt, dust and bugs. Also provides superior cable strain relief.
Grounding kit	Facilitates grounding continuity	A reliable, safe, durable bonding and ground feature without using a cable port

3M™ Quante™ BPEO Splice Protection Closure for Optical Fiber Cables

BPEO I F/O Butt Closure Cable Seals



2

N501342A0000-NA

BPEO I F/O Butt Closure with 2 each 5 mm (0.2 in.) Trays

N501343A0000-NA

BPEO I F/O Butt Closure with 2 each 10 mm (0.4 in.) Trays

BPEO I F/O Fiber Distribution Closure Cable Seals



4

N501350A0000-NA

BPEO I F/O Distribution Closure with 2 each 5 mm (0.2 in.) Tray

N501351A0000-NA

BPEO I F/O Distribution Closure with 2 each 10 mm (0.4 in.) Tray

BPEO II & III F/O Butt Closure Cable Seals



5

N501347A0000-NA

BPEO II F/O Butt Closure with 4 each 5 mm (0.2 in.) Trays

N501346A0000-NA

BPEO II F/O Butt Closure with 4 each 10 mm (0.4 in.) Trays



6

N501345A0000-NA

BPEO III F/O Butt Closure with 8 each 5 mm (0.2 in.) Trays

N501344A0000-NA

BPEO III F/O Butt Closure with 8 each 10 mm (0.4 in.) Trays

BPEO I F/O Branch Closure Cable Seals



3

N501348A0000-NA

BPEO I F/O Branch Closure with 2 each 5 mm (0.2 in.) Tray

N501349A0000-NA

BPEO I F/O Branch Closure with 2 each 10 mm (0.4 in.) Tray

3M™ Quante™ BPEO Splice Protection Closure for Optical Fiber Cables

Splicing Trays



N541075A0000-NA

BPEO 10 mm (0.4 in.) Fiber Optic Splicing Tray for 12 Mass Fusion

N541081A0000-NA

BPEO 10 mm (0.4 in.) Fiber Optic Splicing Tray for 6 Fiberlok Conn

N541082A0000-NA

BPEO 5 mm (0.2 in.) Fiber Optic Splicing Tray for 12 Single Fusion

Earthing Kit



7

N151064A0000-NA

BPE/O-ECAM D5-18 S Earthing Kit

Includes:

- 1 round terminal
- 4 ground cables

8

Transport Tubing Kits



11

N581078A0000-NA

BPEO I Transport Tube

N581120A0000-NA

BPEO Fiber Transport Tube Kit for BPEO II and III

ECAM Kits

N721059A0000-NA



9

BPEO Single Cable Seal ECAM Kit for BPEO I, II and III

N721069A0000-NA



10

BPEO Double Cable Seal ECAM Kit for BPEO II and III

- Fully mechanical design
- No specific tool required
- Reduced installation time

Wall Mounting Kits



12

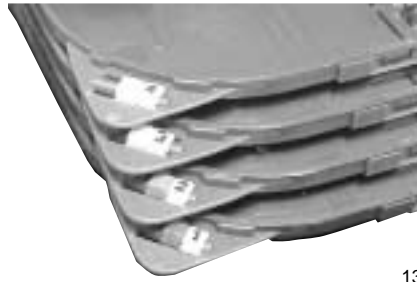
N711438A0000-NA

Wall Mounting Kit for BPEO I

N711440A0000-NA

Wall Mounting Kit for BPEO II and III
 • 2 supports and the screws and bolts for attachment to the housing

Color Code Identification Kit



13

N621019A0000-NA

Color Code Identification Kit Splicing Trays
 • 10 colors
 • 30 staples per color

Number Identification Kit



14

N621020A0000-NA

Number Identification Kit Splicing Trays
 • Staples numbered 0 to 9
 • 30 staples per number

Dummy Plugs

N641028A0000-NA

Dummy Plug Round Port for BPEO I

N641041A0000-NA

Dummy Plug Round Port for BPEO II and III

BPEO Splice Protection Closure for Optical Fiber Cables

Product Number	Description	UPC
N501342A0000-NA	BPEO I F/O Butt Closure with 2 each 5 mm (0.2 in.) Trays	05111512501
N501343A0000-NA	BPEO I F/O Butt Closure with 2 each 10 mm (0.4 in.) Trays	05111512502
N501348A0000-NA	BPEO I F/O Branch Closure with 2 each 5 mm (0.2 in.) Tray	05111512725
N501349A0000-NA	BPEO I F/O Branch Closure with 2 each 10 mm (0.4 in.) Tray	05111512726
N501350A0000-NA	BPEO I F/O Distribution Closure with 2 each 5 mm (0.2 in.) Tray	05111512727
N501351A0000-NA	BPEO I F/O Distribution Closure with 2 each 10 mm (0.4 in.) Tray	05111512728
N501347A0000-NA	BPEO II F/O Butt Closure with 4 each 5 mm (0.2 in.) Trays	05111512503
N501346A0000-NA	BPEO II F/O Butt Closure with 4 each 10 mm (0.4 in.) Trays	05111512504
N501345A0000-NA	BPEO III F/O Butt Closure with 8 each 5 mm (0.2 in.) Trays	05111512505
N501344A0000-NA	BPEO III F/O Butt Closure with 8 each 10 mm (0.4 in.) Trays	05111512506
N541075A0000-NA	BPEO 10 mm (0.4 in.) F/O Splicing Tray F/12 Mass Fusion	05111512511
N541081A0000-NA	BPEO 10 mm (0.4 in.) F/O Splicing Tray F/6 Fbrlok Conn	05111512510
N541082A0000-NA	BPEO 5 mm (0.2 in.) F/O Splicing Tray for 12 Sngl Fusion	05111512509
N151064A0000-NA	BPE/O-ECAM D5-18 S Earthing Kit	05111512351
N721059A0000-NA	BPEO Single Cable Seal ECAM Kit for BPEO I, II and III	05111512625
N721069A0000-NA	BPEO Double Cable Seal ECAM Kit for BPEO II and III	05111512508
N581078A0000-NA	BPEO I Transport Tube	05111512626
N581120A0000-NA	BPEO Fiber Transport Tube Kit for BPEO II and III	05111512513
N711438A0000-NA	Wall Mounting Kit for BPEO I	05111512721
N711440A0000-NA	Wall Mounting Kit for BPEO II and III	05111512722
N621019A0000-NA	Color Code Identification Kit Splicing Trays	05111512723
N621020A0000-NA	Number Identification Kit Splicing Trays	05111512724
N641028A0000-NA	Dummy Plug Round Port for BPEO I	05111512719
N641041A0000-NA	Dummy Plug Round Port for BPEO II and III	05111512720

3M and Quante are trademarks of 3M.

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one year from the date of purchase. 3M MAKES NO

OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.



Telecommunications

6801 River Place Blvd.
Austin, TX 78726-9000
800/426 8688
FAX 800/626 0329
www.3M.com/telecom