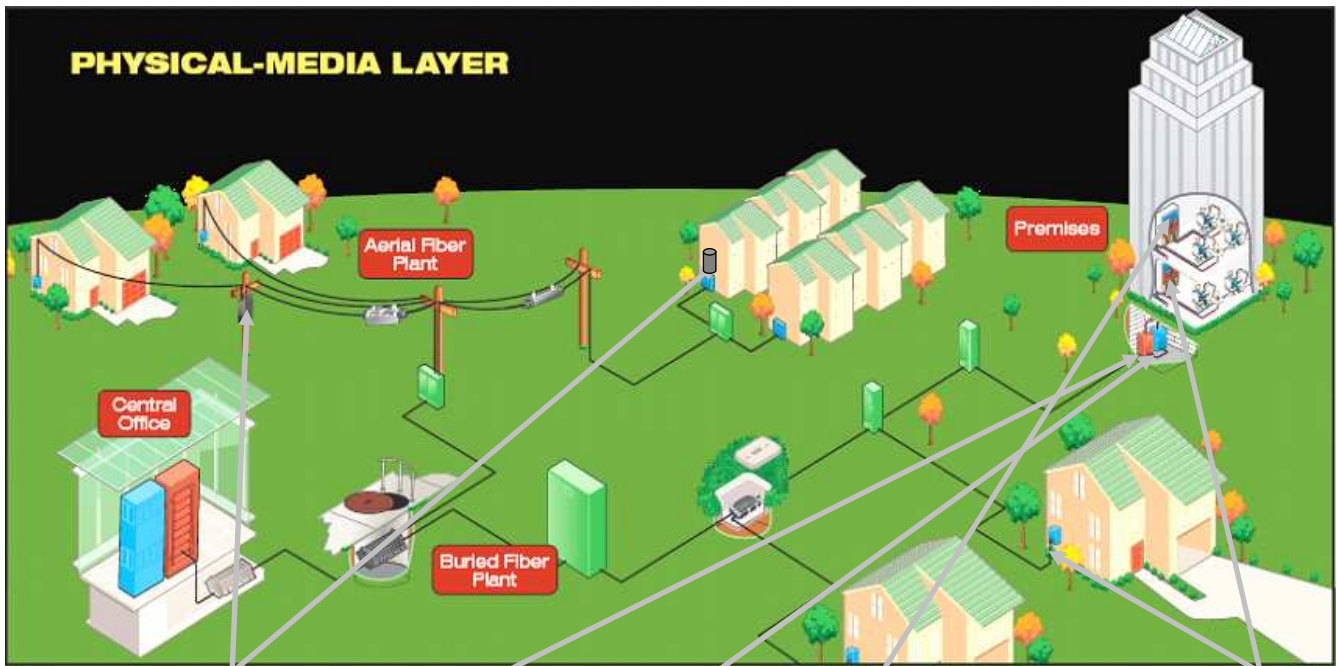





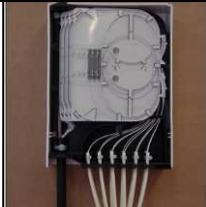



3M™ PBO Optical Fibre Distribution Boxes



3MTM PBO Indoor / Outdoor Distribution Boxes



Distribution Box Indoor 8-16 Customers	Multidwelling Unit 24 Customers	Floor Connection Box Indoor 6 Customers	Floor Distribution Box Indoor 6-24 Customers	Transition Box 2-4 Customers
				

3M™ Optical Fibre Distribution Boxes are designed for use in both fibre-to-the-home and fibre-to-the-premises networks for point-to-point or PON network architectures

Both indoor and outdoor models are available to accommodate either standard cables or window cut (break out) cables. The range includes strain relief systems for main cables or for customer drops suitable for multiple applications: aerial, residential, building basement, building riser.

The distribution boxes may house fusion splices, mechanical splices or splitters. The organisers and trays are based on the same type used in the BPEO Evolution system which offers a wide selection of splice and splitter trays.

3M™ Optical Fibre Distribution Boxes offer both **high density** and **high capacity**. The boxes have a large storage area for micromodules and can accommodate a wide range of cable and drop cable diameters and a high number of customer drops.

PBO Size 2



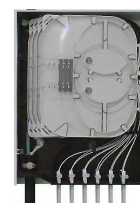
PBO Size 1



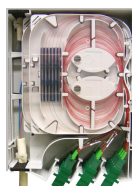
PBPO 12



PBPO 24



PBOC



BTI – PBO 4



PBO type	Max # Splices	Max # Drops	Max Ø Cable	Max Ø Drops	Max # Customers
PBO Size 2	144	16	12	5	48
PBO Size 1	36	16	16	6	16
PBPO 12	48	12	13	4	12
PBPO 24	48	24	13	4	24
PBOC	48	12	13	SC , LC	12
BTI	4	4	6	4	4

The 3M™ Optical Fibre Distribution Boxes offer **high flexibility** in the type of splice employed since they use the tray and organiser concept from the 3M™ BPEO Evolution system. This provides a large variety of trays which may be mixed in the same organiser, offering great fibre management capability for FTTH. Eight types of trays are offered for fusion and/or mechanical splices and 1x2 to 1x8 splitters.



5mm tray for 6 Fibrlok 2540G



5mm tray for 12 fusion splices



10mm tray for 12 Fibrlok 2540G



10mm tray for 12 fusion splices + splitter



10mm tray for 10 Fibrlok + splitter
or 12 ANT splices + splitter



5mm tray for 9 fusion splices
+ splitter

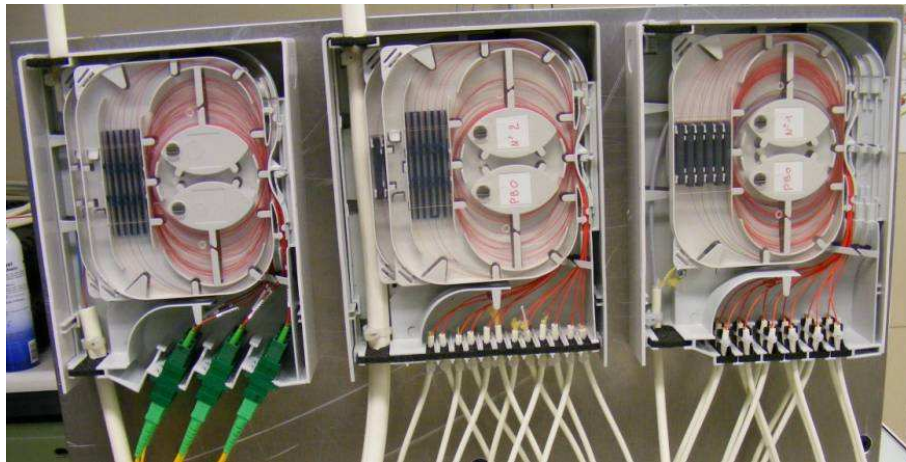


Universal 10mm tray for 12 fusion
or 12 fibrlok or splitters mixed



5mm trays for 12 ANT + splitter

The 3M™ Optical Fibre Distribution Boxes offer **high productivity performance** in installation due to both the new “single circuit management” organiser which improves the fibre and micromodule management, and to the very convenient strain relief system.



Product	Ref.	Code
PBO size 2 Organiser 12 slots	N501499A	501499
PBO Size 1 3 splice trays	N501458A	501458
Mounting bracket for PBO 2 units required for PBO size 1 or PBO size 2 .	N711523A	711523
PBPO 12 : Drop cables attached on removable strain relief Organiser 4 slots	N501505A	501505
PBPO 24 : Drop cable attached on moulded strain relief Organiser 4 slots	N501504A	501504
PBPO/C Internal distribution box Organiser 4 slots	N501506A	501506
BTI-PBO 4 Customer Transition Distribution box	N501471A	530051
Trays for Splices		
BPEO-K7-1 slot-12 fusion Tray 1 slot - Compatible with fusion splice protector 45 and 60 mm long Tray equipped with cover	N541106A	541106
BPEO-K7-1 Slot- 6 Fibrlok 2540G Tray 1 slot for 6 mechanical splices Fibrlok 2540G Tray equipped with cover	N541103A	541103
BPEO-K7-2 Slot-12 Fibrlok 2540G Tray 2 slots for 12 mechanical splice Fibrlok 2540G Tray equipped with cover	N541108A	541108
Trays for splitters		
BPEO-K7-1 Slot-9 fusion & PLC splitter Tray 2 slots Compatible with fusion splice protector 45 and 60 mm long Splitter space : 4x4x6 mm . Tray equipped with cover		qualification on going
BPEO-K7-2 Slot-12 fusion & splitter Tray 2 slots Compatible with fusion splice protector 45 and 60 mm long Splitter space: 70x10x6 mm Tray equipped with cover	N541104A	541104
BPEO-K7-2 Slot-10 Fibrlok 2540G & splitter Tray 2 slots for 10 Fibrlok mechanical splices Splitter space: 70x10x6 mm . Tray equipped with cover	N541110A	541110

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3M Telecommunications

Europe, Middle East & North Africa

3M Deutschland GmbH

Carl-Schurz-Strasse 1 . 41453 Neuss . Germany

Dr.Nr. 07-401-00500/07.2007 KL Index 0

Tel:

Fax:

Internet:

++49 (0)2131 / 14-5999

++49 (0)2131 / 14-5998

www.3MTelecommunications.com

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