

# 3M™ Compact Fiber Distribution Box PBO Series

Indoor/outdoor FTTH branch point fiber distribution box; wall or pole mount, splice capacity for up to 36 single-fusion splices

- Branch splice closure for distribution cables in FTTH network
- Applications include: pole mount in aerial OSP network, attached to building exterior of medium to low-rise MDUs, and central riser closets or stairwells of mid- to high-rise MDUs

| Feature  | Benefit  |
|--|--|
| Cover with hinge that opens 120 degrees and can be fixed in position | Allows easy splicing of connections while box is mounted             |
| Splice tray holder with hinged trays                                 | Ability to reach each splice without disturbing other fibers         |
| Anchoring devices for distribution and drop cables                   | Helps ensure cables remain secure in box                             |
| No bolts used to seal enclosure                                      | Faster, easier installation and access than traditional OSP closures |
| Closed by latch with an optional security device                     | Added security to avoid tampering with fiber network                 |
| Available with optional pre-installed adapters                       | Rapid network deployment with reduced installation time              |

## Splice Capacity

### Fusion Splices

3M™ BPEO Fiber Optic Splice Sleeves 2171 Up to 36 splices

### Mechanical Splices

3M™ Fibrlok™ 250 µm Fiber Splice 2540G Up to 30 splices

## Mounting Options

|                   |  |
|-------------------|--|
| Mounting screws   | 2 screws with a 6 mm (0.236 in.) diameter (not included) |
| Mounting brackets | PBO Brackets (not included)                              |

## Technical Specifications

|                             |  |
|-----------------------------|--|
| <b>Dimensions</b>           | 270 x 240 x 80 mm (L x W x D)<br>10.6 x 9.4 x 3.14 in. (L x W x D) |
| <b>Material</b>             | Thermoplastic  |
| <b>Degree of protection</b> | IP43/IK06/NEMA3  |
| <b>Color</b>                | Light grey, RAL 7035   |



3M™ Compact Fiber Distribution Box PBO T1



3M™ Compact Fiber Distribution Box PBO T1 with 3M™ Fiber Optic Splice Tray 2540



3M™ Compact Fiber Distribution Box PBO S1



3M™ Compact Fiber Distribution Box PBO S1 with SC/APC Adapters and Pigtaills

## 3M™ Compact Fiber Distribution Box PBO Ordering Information

| Product Number    | Product Description   | 3M ID          | Minimum Order |
|-------------------|---|----------------|---------------|
| PBO-T1            | Fiber Distribution Terminal with three 3M™ Fiber Splice Trays 2540-12-SF/36-MF (up to 36 splice capacity)       | FQ-1000-6898-7 | 10            |
| PBO-SI            | Fiber Distribution Terminal with 12 pre-installed SC/APC adapters and one 3M Fiber Splice Tray 2540-12-SF/36-MF | FQ-1000-7908-3 | 10            |
| 2540-12-SF/36-MF  | Fiber splice tray with 12 single fusion splices, hinged   | 80-6113-1715-9 | 2             |
| 2540M-12-SF/36-MF | Fiber splice tray with 12 single/36mass fusion splices, hinged  | 80-6113-1716-7 | 2             |
| PBO bracket       | Mounting brackets   | FQ-1000-6840-9 | 10            |
| 2540G             | 3M™ Fibrlok™ 250 μm fiber splice  | JE-4200-8317-0 | 60            |
| 2171              | BPEO fiber optic splice sleeves   | 80-6111-4669-9 | 50            |



3M™ PBO Box Mounting Bracket

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