



## F.O. Patch Box pre-terminated with dispenser box 4 SC/APC outputs

Device enabled as a connection point to an optical fiber network. In communications infrastructures, it works as a cut-off and test point for the optical fiber network.

The patch box includes Cca fiber, so it is recommended for installation in singular buildings (airports, hospitals, shopping centres, schools, universities), which require high levels of safety due to their large concurrence of people. Euroclass Cca guarantees an adequate level of safety in terms of reaction to fire and emission of toxic fumes, reducing the risks derived from a fire.

It incorporates optical fiber with one end pre-connectorised on the Patch Box, with 4 SC/APC connectors. This provides the installer with greater convenience and agility in assembly, allowing the fiber to pass through the different conduits to the desired point. The installer only has to do the fusion or connection 4 FO connectors at the connection point.

Moreover, the fiber is delivered in a dispenser box with a reel inside, which significantly facilitates the deployment of the cable, reducing installation time and the risk of damage to the fiber.

The design also allows installation in other types of premises (car repair shops, classrooms, work tables, wiring cabinets, etc.) and use as a connection point.

|                     |               |
|---------------------|---------------|
| <b>Ref.</b>         | 231532        |
| <b>Logical ref.</b> | OB4-4-40      |
| <b>EAN13</b>        | 8424450186978 |

## Other features

|               |         |
|---------------|---------|
| <b>Length</b> | 40.00 m |
|---------------|---------|

## Packaging info

|            |        |
|------------|--------|
| <b>Box</b> | 1 pcs. |
|------------|--------|

## Physical data

|                     |                      |
|---------------------|----------------------|
| <b>Net weight</b>   | 576.00 g             |
| <b>Gross volume</b> | 4.40 dm <sup>3</sup> |
| <b>Gross weight</b> | 576.00 g             |
| <b>Width</b>        | 119.00 mm            |
| <b>Height</b>       | 94.00 mm             |
| <b>Depth</b>        | 34.00 mm             |

## Highlights

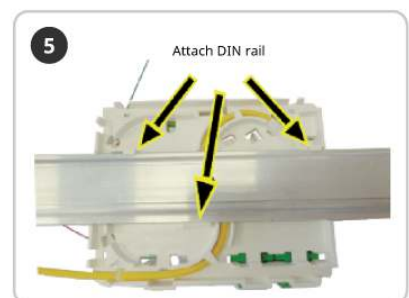
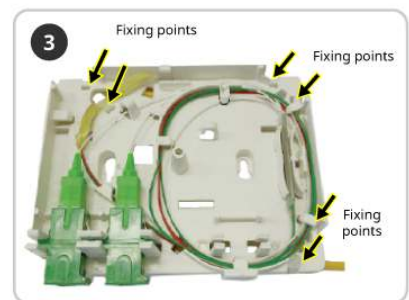
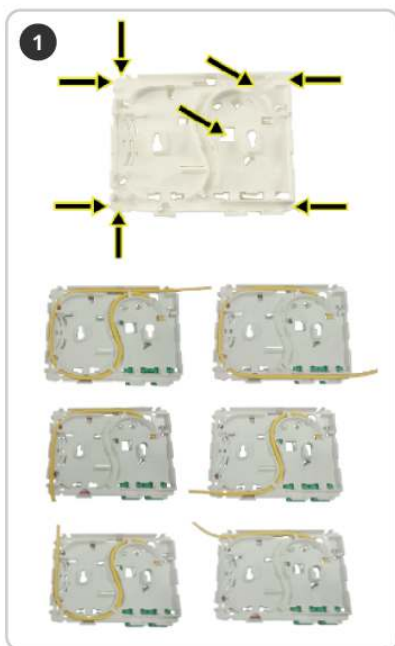
- Made of robust ABS plastic. White color (RAL 9003)
- With a capacity of up to 4 SC/APC output connectors
- 100% laboratory verified by interferometer.
- Equipped with ITU-T G657A2 single-mode fibers and Cca Euroclass
- 100% laboratory verified by interferometer.
- Equipped with 4 Simplex Single-Mode "SC/APC" female-to-"SC/APC" female adapters (with self-locking cover)
- Multi-anchoring system: Standard DIN rail, wall or outlet
- Single direction of rotation of the fibers inside (which facilitates installation)
- Identifying label
- 6 inputs, pre-cut on its sides, for FO access
- Back input for FO and SC connector
- Pre-cut input at the bottom, for access to a distribution frame (SC/APC)
- Equipped with: 4 heat-shrink sleeves, 2 cable ties, installation screws

- 100% european quality: manufactured by Televes in Spain

## Mounting details

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1. Select the most suitable entry for the fibre optic hose, maintaining a smoothly curved fibre path
2. Cut in the cover the appropriate tab to used entry
3. Fit the fibre to the Patch Box, fix it with cable ties at the anchor points and connect it to the adapters
4. Fix the Patch Box either to the wall, using the screws supplied, or to DIN by removing the pre-cut tabs on the cover



## Technical specifications : Ref. 231532

|                                   |       |                              |
|-----------------------------------|-------|------------------------------|
| Number of fibers                  |       | 4                            |
| Number of inputs                  |       | 8                            |
| Closure type                      |       | Cover                        |
| Front door locking system         |       | Screw                        |
| Type of connections               |       | Connector and fusion splice  |
| Installation type                 |       | Wall / Ceiling               |
| Material                          |       | ABS Plastic                  |
| Thickness                         | in    | 0.079                        |
| Color                             |       | White                        |
| Protection index (IP)             |       | 30                           |
| Protection index (IK)             |       | 07                           |
| Height                            | in    | 3.819                        |
| Width                             | in    | 4.685                        |
| Depth                             | in    | 1.299                        |
| Fiber core type                   |       | Single-mode (ITU-T-G.657.A2) |
| Euroclass                         |       | Cca                          |
| Euroclass: Smoke Production       |       | s1a                          |
| Euroclass: Flaming droplets       |       | d1                           |
| Euroclass: Acidity                |       | a1                           |
| Fiber core diameter               | µm    | 9                            |
| Fiber cladding diameter           | µm    | 125                          |
| Coating buffer diameter           | µm    | 250                          |
| Cable structure                   |       | Tight buffer                 |
| Outer sheath Diameter             | in    | 0.118                        |
| Outer sheath Material             |       | LSFH                         |
| Blocking jelly                    |       | No                           |
| Optical fiber attenuation: 1310nm | dB/km | < 0.4                        |
| Optical fiber attenuation: 1550nm | dB/km | < 0.3                        |
| Optical fiber attenuation: 1490nm | dB/km | < 0.3                        |
| Connector losses                  | dB    | < 0.5                        |
| Return losses                     | dB    | > 60                         |
| Short tension                     | N     | 220                          |
| Long tension                      | N     | 220                          |
| Structure reinforcement element   |       | Aramid fibers                |
| Minimum bending radius            | in    | 0.591                        |
| Operating temperature             | °F    | -4 ... 158                   |