Televes

LC/APC Female – LC/APC Female Optical Duplex Adapter Single-mode (SM), with Auto-blocking Cap

Adapter for connecting male optical connectors, with LC mechanics, at both ends. Both connectors must have the same type of polish to avoid signal loss. It is recommended to always use connectors of the same colour as the adapter, to identify the type of polish on the other end: APC (green).
It incorporates an auto-blocking external cap that closes automatically to prevent light from escaping, ensuring eye protection.
Compatible with single-mode (SM) fibers.

Ref.	233214
Logical ref.	OA2SMLCAPC
EAN13	8424450303146

Other features

Colour	Green

Packaging info

Plastic box	25 pcs.

Physical data

Net weight	3.00 g
Gross volume	0.00 dm³
Gross weight	5.00 g
Width	31.00 mm
Height	15.00 mm
Depth	9.00 mm
Main product weight	3.00 g

Highlights

- Low insertion losses and high reliability
- Installation using a retaining clip (included) to keep the adapter fixed
- It avoids false contacts, as well as occasional disconnections
- Body made of plastic (polymer), mechanically resistant to impact or corrosion
- Green colour
- It incorporates self-locking light protection cap (with spring) in one of its ends, and removable cap in the other one
- Duplex, for the connection of two fiber cables at each end

Discover

What is a fiber optic adapter and what does the colour indicate?

A fibre optic adapter is used to join two optical connectors by aligning the fibres present in the adapter and/or connector. Each end of an adapter can be either male or female.

Female adapters normally face the connectors and align their fibres, so they are not normally specific to a particular polish, but the user can decide the type of polish that connects the ends. The colour of a female adapter does not require the use of a specific fibre type and polish, but it is advisable to respect it to easily identify the type of fibre connected.

The **male** adapters include a ceramic or plastic ferrule that protects and aligns the fibre as it is inserted into the female end. This ferrule is polished and the user should ensure that the polish on the other end is compatible. The colour of a male adapter identifies the type of fibre and polish.

To ensure a link with the lowest possible light loss, it is imperative that the two fibres that are connected to the adapter have a compatible polish:

- The **APC** (Angle Physical Contact) polish has an 8° angle cut, and is only compatible with other APC polishes.
- The **PC** (Physical contact) polish has a convex cut, and is compatible with other convex polishes, such as PC and also UPC.

- The **UPC** (Ultra Physical contact) polish has a convex cut, thinner than PC, and is therefore compatible with both PC and UPC polishes.

The colour of the adapter helps to identify at a glance the type of fibre and the polish of the connected fibre, and manufacturers usually follow the following recommendations:

- **Green:** Single-mode (SM) fibres with APC polish.
- **Blue:** Single-mode (SM) fibres with PC or UPC polishing.
- **Beige:** Multimode (MM) fibres, no polish identified.
- **Aqua blue:** OM3 Multimode (MM) with PC or UPC polishing
- **Magenta:** OM4 Multimode (MM) with PC or UPC polishing
- **Lime green:** OM5 Multimode (MM) with PC or UPC polishing

At Televés we follow this recommendation to **facilitate the installation and maintenance of fibre networks** and to avoid possible confusion in the connectorisation.

Technical specifications : Ref. 233214

Optical connector type 1		LC
Polishing type (Optical connector 1)		APC
Optical connector type 2		LC
Polishing type (Optical connector 2)		APC
Connection type		Female/Female
Fiber type		Single-Mode (SM)
Ferrule		Ceramic
Protection cap		Auto-blocking cap
Durability (connection cycles)		1000
Housing material		Polycarbonate
Fastening type		Click
Operating temperature	°F	-40 ... 185