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LC Female – LC Female Adapter Duplex Multi-mode

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.
Compatible with multi-mode (MM) fibers, from OM1 to OM5.
Supplied in professional plastic box.

Ref.233213

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Highlights

- Low insertion losses and high reliability
- Installation by means of “clip” (built-in), or fixing screws (not incorporated)
- It avoids false contacts, as well as occasional disconnections
- Body made of plastic (polymer), mechanically resistant to impact or corrosion
- Beige colour
- It incorporates removable cap to protect the inside of the connector
- Duplex, for the connection of two fiber cables at each end
- Supplied in 25-unit boxes

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.

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

Optical connector type 1		LC Dupex
Optical connector type 2		LC Duplex
Fiber type		Multi-mode
Ferrule		Ceramic
Protection cap		Auto-blocking cap
Shutter type		External
Insertion losses	dB	0.2
Return losses	dB	30
Durability (connection cycles)		1000
Housing material		Plastic
Color		Beige
Fastening type		Click
Operating temperature	°F	-40 ... 185