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## SM LC/APC duplex adapter

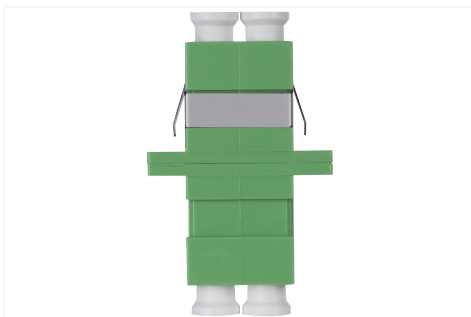
The LC/APC duplex single-mode fiber adapter is a key component of a passive fiber optic network, used to connect single-mode patchcords terminated with LC/APC connectors. This adapter allows optical fibers to be precisely connected in the air gap using optical connectors, ensuring high signal quality and minimal loss. LC/APC duplex single-mode adapters are widely used in telecommunications networks, data centers, CATV systems, broadband networks and military and medical applications. Due to their characteristics, they are particularly useful in places where high reliability and quality of data transmission are required.



## Technical specifications

SM LC/APC duplex adapter

<b>IL attenuation</b>	0,2 dB
<b>Type of adapter</b>	SM
<b>Adapter type</b>	LC/APC
<b>Adapter version</b>	duplex
<b>Operating temperature range</b>	-40°C / +85°C



### High-precision alignment

The adapter ensures accurate alignment of the 1.25 mm diameter ferrules being connected, which is crucial for maintaining optical signal integrity. Precise alignment minimizes signal loss and ensures low insertion loss of the connection.

### Ultra-low

#### attenuation

The adapter features very low attenuation, which is important for maintaining high quality data transmission in fiber optic networks.

The attenuation of LC/APC duplex adapters is 0.2 dB, making them ideal for use in demanding network environments.

### Connector type

Angled Physical Contact (APC) connectors have an 8-degree bevel angle, which reduces reflection and improves signal quality.

Lucent Connector (LC) connectors are smaller than traditional SC connectors, allowing for denser port packing in network devices.