

7048 1 019-00-ISP

## SM LC/PC duplex adapter

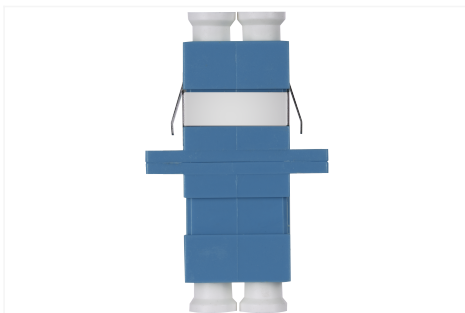
LC/PC duplex single-mode fiber optic adapter is a key component of passive fiber optic network, used to connect single-mode patchcords terminated with LC/PC connectors. This adapter allows optical fibers to be precisely connected in the air gap with optical connectors, ensuring high signal quality and minimal loss. LC/PC 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/PC duplex adapter

<b>IL attenuation</b>	0,2 dB
<b>Type of adapter</b>	SM
<b>Adapter type</b>	LC/PC
<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/PC duplex adapters is 0.2 dB, making them ideal for use in demanding network environments.

### Connector type

PC (Physical Contact) connectors provide direct contact between ferrules, which minimizes the air space between them and reduces signal reflection, improving transmission quality.

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