



01L1-BAL1-0xxx

## Single Mode LC/PC-LC/PC simplex patchcord

The single-mode LC/PC-LC/PC simplex patch cord is a crucial element in modern fiber optic networks, enabling high-quality and reliable connections between devices. Utilizing LC/PC connectors, this patch cord provides signal stability and minimal losses, which is essential for efficient data transmission. Simplex fiber optic patch cords are segments of optical fibers terminated with connectors on both ends. They are manufactured as standard with an internal cable diameter of 2.0mm, 2.4mm, or 2.8mm. There is a possibility of manufacturing with special cable and in a conduit.



## Technical specifications

Single Mode LC/PC-LC/PC simplex patchcord

Insertion loss (IL)	0,25 dB
Return loss (RL) of a PC connector	min. 45 dB
Connector type I	LC/PC
Connector type II	LC/PC

### High Signal Quality

The patch cord ensures high signal quality thanks to precisely manufactured 1.25 mm diameter ferrules, which is crucial for maintaining optical signal integrity. LC/PC connectors minimize signal reflections, ensuring its stability.

### Low Attenuation

The patch cord is characterized by very low attenuation, typically below 0.3 dB, which is essential for maintaining efficient and reliable data transmission.

### LC/PC Connectors

PC (Physical Contact) connectors ensure direct ferrule contact, which minimizes the air gap between them and reduces signal reflection, improving transmission quality.

LC (Lucent Connector) connectors are compact and allow for higher port density, which is beneficial in modern network installations.