



01L1-BAL1-0xxx

Single Mode LC/PC-LC/PC simplex patchcord

The LC/PC-LC/PC simplex single-mode patch cord is a key component in modern fiber optic networks, enabling high-quality and reliable connections between devices. By using LC/PC connectors, it ensures signal stability and minimal loss, which is essential for efficient data transmission.

Simplex fiber optic patch cords consist of a single fiber strand terminated with connectors on both ends. They are typically manufactured using indoor cables with diameters of 2.0 mm, 2.4 mm, or 2.8 mm. Custom versions can also be produced using special cables or with additional protective conduit.



Technical specifications

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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 ferrules, which are crucial for maintaining optical signal integrity.

LC/PC connectors minimize signal reflection, ensuring stable performance.

Low insertion loss

The patch cord features very low insertion loss, 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, minimizing the air gap between them and reducing signal reflection, which improves transmission quality.

LC (Lucent Connector) connectors are compact and allow for higher port density, making them well suited for modern network installations.