



01S1-BAL1-0xxx

Single Mode SC/PC-LC/PC simplex patchcord

The SC/PC-LC/PC simplex single-mode patch cord is an important component in modern fiber optic networks, ensuring high-quality and reliable connections between devices with different connector types. By using SC/PC and LC/PC connectors, it provides signal stability and minimal loss, which is crucial 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	SC/PC
Connector type II	LC/PC



High signal quality

The patch cord ensures high signal quality thanks to precisely manufactured ferrules, which are crucial for maintaining optical signal integrity. SC/PC and 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.

SC/PC and 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.

SC (Subscriber Connector) connectors are easy to use and durable, while LC (Lucent Connector) connectors are compact and allow for higher port density.