



01S1-BAL1-0xxx

Single Mode SC/PC-LC/PC simplex patchcord

The single-mode SC/PC-LC/PC simplex patch cord is an essential element in modern fiber optic networks, ensuring high-quality and reliable connections between devices with different connector types. Utilizing SC/PC and LC/PC connectors, this patch cord provides signal stability and minimal losses, which is crucial 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

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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 is crucial for maintaining optical signal integrity. SC/PC and 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.

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.