



01S3-BAL1-0xxx

Single Mode SC/APC-LC/PC simplex patchcord

The SC/APC-LC/PC simplex single-mode patch cord is a key component in modern fiber optic networks, enabling high-quality and reliable connections between devices with different types of connectors. Thanks to the use of SC/APC and 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 APC connector	min. 60dB
Return loss (RL) of a PC connector	min. 45dB
Connector type I	SC/APC
Connector type II	LC/PC



High signal quality

The patch cord ensures high signal quality thanks to precisely manufactured 2.5 mm ferrules, which are crucial for maintaining optical signal integrity.

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.

Connector type

SC/APC (Angled Physical Contact) connectors minimize signal reflection thanks to their 8-degree angled end face, improving transmission quality.

LC/PC (Physical Contact) connectors ensure direct ferrule contact, reducing signal loss.