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

The single-mode SC/PC-SC/PC simplex patch cord is a crucial element in modern fiber optic networks, designed to connect devices with identical SC/PC connectors. Thanks to its design, it ensures high signal quality 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**

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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	SC/PC



#### **High Signal Quality**

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

SC/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 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 a standard solution in many fiber optic applications, providing ease of use and durability.