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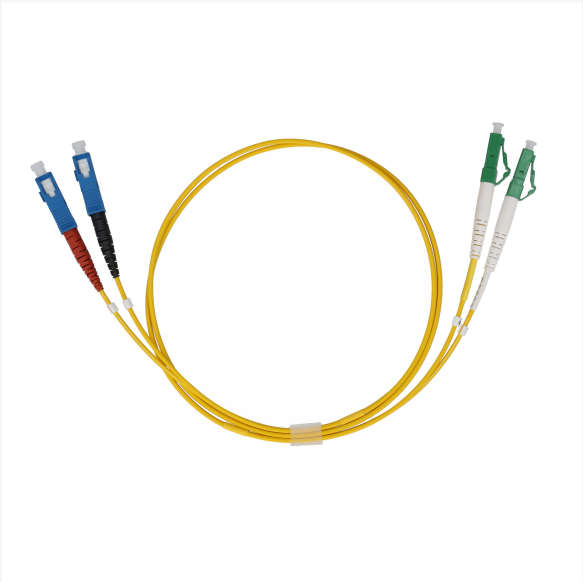
02S3-OAL3-0xxx

Single Mode SC/APC-LC/APC duplex patchcord

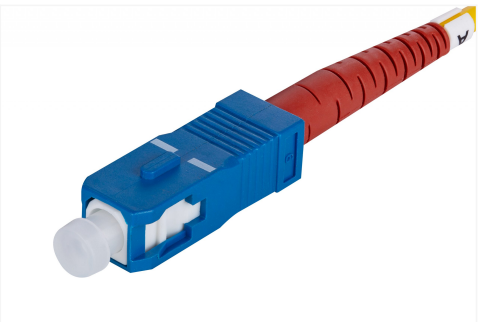


The single-mode SC/APC-LC/APC duplex patch cord is a crucial element in modern fiber optic networks, enabling reliable and stable connections between devices equipped with SC/APC and LC/APC connectors. Thanks to its advanced design, it ensures high signal quality and minimal losses, which is essential for efficient data transmission. Duplex 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

Single Mode SC/APC-LC/APC duplex patchcord

Insertion loss (IL)	0,25 dB
Return loss (RL) of a APC connector	min. 60 dB
Connector type I	SC/APC
Connector type II	LC/APC



High Signal Quality

The patch cord is equipped with SC/APC (Angled Physical Contact) and LC/APC (Angled Physical Contact) connectors, which provide optimal connection and minimize signal reflections.
Precisely manufactured 2.5 mm diameter ferrules ensure high signal quality and low attenuation.

Low Attenuation

The patch cord is characterized by very low attenuation, typically below 0.3 dB per connector, which is essential for maintaining stable and reliable data transmission.

Durable Construction

Made from high-quality single-mode fibers, the patch cord is resistant to mechanical damage and ensures long-lasting reliability.
The robust outer construction provides protection for the fiber against bending and other physical damage.

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