securityNET

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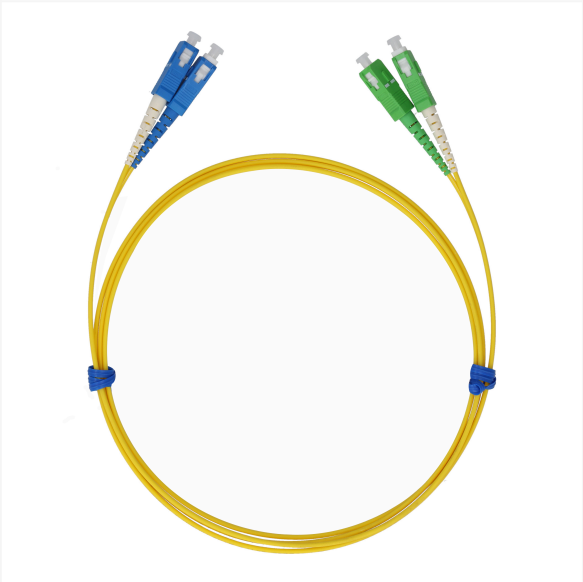
Single Mode LC/APC-LC/PC duplex patchcord



The LC/APC–LC/PC duplex single-mode patch cord is a key component in modern fiber optic networks, enabling reliable and stable connections between devices equipped with LC/APC and LC/PC connectors. Its advanced design ensures high signal quality and minimal loss, which is essential for efficient data transmission. Duplex fiber optic patch cords consist of two fiber strands 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

Single Mode LC/APC-LC/PC duplex patchcord

Insertion loss (IL)	0,25 dB
Return loss (RL) of a APC connector	min. 60 dB
Return loss (RL) of a PC connector	min. 45 dB
Connector type I	LC/APC
Connector type II	LC/PC

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High signal quality

The patch cord is equipped with LC/APC (Angled Physical Contact) and LC/PC (Physical Contact) connectors, which ensure optimal connectivity and minimize signal reflection.
The 1.25 mm ferrules are precisely manufactured, ensuring high signal quality and low insertion loss.

Low insertion loss

The patch cord features very low insertion loss, typically below 0.2 dB per connector, which is essential for maintaining stable and reliable data transmission.

Durable construction

Made from high-quality single-mode fiber, the patch cord is resistant to mechanical damage and ensures long-term reliability.
The robust outer construction protects the fiber from bending and other physical damage.