



6824 2 271-12-ISP

SM SC/APC simplex adapter

The single-mode SC/APC simplex fiber optic adapter is a crucial component of fiber optic networks, designed to connect single-mode patch cords terminated with SC/APC connectors. Its design provides stable connections with high signal quality and minimal losses, which is essential for efficient data transmission. SC/APC connectors, due to their design, provide low light reflection, which is particularly important in high-bandwidth and long-distance applications. Single-mode LC/APC simplex adapters, due to their properties, are particularly useful in places where high reliability and data transmission quality are required. They are used in telecommunications networks, CATV systems, and industrial and medical applications.



Technical specifications

SM SC/APC simplex adapter

IL attenuation	0,2 dB
Type of adapter	SM
Adapter type	SC/APC
Adapter version	simplex
Operating temperature range	-40°C / +85°C







High Centering Precision

The adapter enables precise centering of 2.5 mm diameter ferrules, which guarantees low signal loss and high connection quality.

Precise centering minimizes signal loss and ensures low connection attenuation.

Very Low Attenuation

The adapter is characterized by very low attenuation, which is essential for maintaining high-quality data transmission in fiber optic networks.

The attenuation in SC/APC simplex adapters is 0.2 dB, making them ideal for use in demanding network environments.

SC/APC Construction

APC (Angled Physical Contact) connectors have an 8-degree angled cut, which reduces light reflection and improves signal quality.

SC (Subscriber Connector) connectors are a standard solution in many fiber optic applications, providing ease of use and durability.