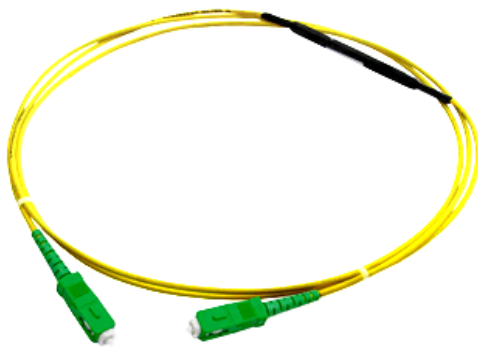
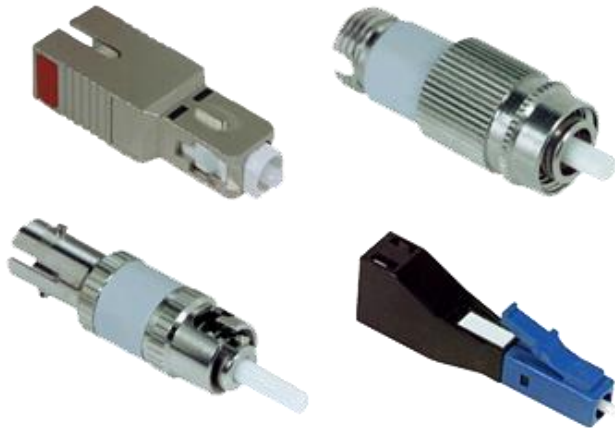


Fibre Optic Assemblies & Components

Fibre Optic Attenuators



An optical attenuator is a device used to reduce the power level of an optical signal, either in free space or in an optical fibre. They are commonly used in fibre optic communications.

The basic types of optical attenuators are fixed, step-wise variable, and continuously variable.

Fibre optic attenuators can be designed to use with various kinds of fibre optic connectors. The attenuators can be female to female known as bulkhead fibre optic attenuator or male to female known as a plug fibre optic attenuator. Bulkhead and plug types are designed without cables; another type inline fibre optic attenuator is designed with a short length of fibre optic cable.

Features & Benefits

- Low back reflection
- Wide wavelength range
- Polarization insensitive
- Compact and rugged housing
- Wide range of connectors/receptacles
- Hybrid style attenuator using attenuating fibre
- Attenuating fibre patch cords utilising new patent pending technique: No splicing
- Mode independent multimode loopback attenuators
- Designed to meet Telecordia requirements

Technical Specifications

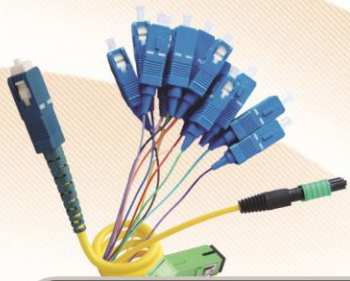
Attenuation Level (dB)	1-9, 10-20
Tolerance (dB)	±0.5 (1-9), ±5% (10-20)
Back Reflection (dB)	≤50 (UPC), ≤60 (APC)
Polarization Dependent Loss (dB)	≤0.5
Operating Temperature (°C)	-20 - +70
Storage Temperature (°C)	-40 - +80

Common Attenuator Types



FC

LC



Fibre Optic Assemblies & Components

Fibre Optic Attenuators



SC

ST

Note: Listed above are our standard attenuator types. Should you require an attenuator type that isn't in the table above, please contact us as more types are available.

Ordering Information

Use the formula below to create the part number.

Attenuator Type		Polishing		Attenuation	
Fixed	FA	UPC	U	1	01
Variable Hand Type	VHA	APC	A	3	03
Variable Screw Type	VSA			5	05
Dual Fixed	DFA			7	07
Dual Variable Hand Type	DVHA			10	10
Dual Variable Screw Type	DVSA			15	15
				20	20

FA	SC	U	SM	05	D
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Connector Type		Fibre Type		Decibel	
FC	FC	Singlemode	SM	dB	D
ST (UPC Only)	ST	Multimode	MM		
SC	SC				
LC	LC				
MU	MU				

Example: **FASCUSM05D** – Attenuator Type FA Connector Type SC Polishing U Fibre Type Singlemode Attenuation 05 Decibel D

For any queries, please contact the Linxcom team using the details below.