

Fiber Optic Attenuated Jumpers



AFL introduces high performance, low cost fiber optic attenuated jumpers.

Alcoa Fujikura Ltd. attenuated jumpers provide superior performance for all singlemode and multimode in-line attenuation requirements. They couple the features of built-out style attenuators with the convenience of patchcord fiber management.

These attenuators are manufactured using a core offset method of attenuation and offer low reflectance and excellent temperature stability from -40°C to 85°C. Attenuation values are available from 1-15dB with tolerances less than 10%. Jumpers are available fully terminated with a variety of different connectors or unterminated.

KEY FEATURES

- Long term reliability
- Excellent environment stability
- Low ripple, wavelength independent attenuation
- Polarization insensitive

PRODUCT APPLICATION

- CATV
- Video Distribution
- Long Haul Telecommunications
- LAN
- Network Testing
- Passive Optical Networks
- Telco
- Fiber in the Loop

CLICK HERE

for complete technical specifications and part number information.

For pricing, availability, and additional information about this and other Passive Optical Components from Alcoa Fujikura Ltd., please call:
1-800-AFLFIBER
Email: aflfiber@alcoa.com

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Fiber Optic Attenuated Jumpers - TECHNICAL SPECIFICATIONS

Attenuator Specifications	
Standard Attenuation Values:	1, 2, 5, 10, 15dB or custom
Attenuation Tolerance:	± 10% standard, ± 5% special order
Operating Wavelengths:	850nm, 1310nm, 1550nm, 1310/1550nm
Operating Temperature Range:	-40°C to 85°C
Thermal Stability:	≤ 0.1dB
Polarization Stability:	≤ 0.2dB
Pull Strength:	≥ 2lb (per Telcordia GR-910-CORE)
Connectors Options:	SC, FC, ST, LC
Fiber Type:	9/125 SM, 50/125, 62.5/125 MM
Length:	≥ 1m

Connector	Ultra	Angled	Multimode
Insertion Loss	≤ 0.25dB	≤ 0.50dB	≤ 0.50dB
Back Reflection	≥ 55dB	≥ 60dB	≥ 30dB

*Specifications subject to change.

DESCRIPTION / ORDERING INFORMATION

A
-

B
-

Connector End A

USC = Ultra SC
 ASC = Angled SC
 PSC = Multimode SC
 UFC = Ultra FC
 AFC = Angled FC
 PFC = Multimode FC
 UST = Ultra ST
 PST = Multimode ST
 ULC = Ultra LC
 PLC = Multimode LC
 XXX = No Connector

Connector End B

USC = Ultra SC
 ASC = Angled SC
 PSC = Multimode SC
 UFC = Ultra FC
 AFC = Angled FC
 PFC = Multimode FC
 UST = Ultra ST
 PST = Multimode ST
 ULC = Ultra LC
 PLC = Multimode LC
 XXX = No Connector

Cable Type

JH = 900µm Coated PVC
 PO = 250µm Bare Fiber

Attenuation Value

010 = -1.0dB
 020 = -2.0dB
 050 = -5.0dB
 100 = -10.0dB
 150 = -15.0dB
 ### = User Selection

Length
Measured In Meters

Fiber Type

Q = 9/125 SM
 2 = 62.5/125 MM
 R = 50/125 MM

