

Attenuators, adapters and couplers



Technetix fiber optic adapters and attenuators are manufactured in an ISO9001 controlled factory environment to ensure outstanding connectivity for a variety of applications.

Attenuators

Providing ultra-low return loss from the optical power launched onto the photo detector, our high-performance devices ensure accurate attenuation over a wide range of wavelengths.

Attached to the end of patch cords for direct adapter insertion, our single- and multi-mode attenuators feature a plug-in configuration. They are available in FC, SC, LC, ST and E2000 connector styles, with a PC or APC finish, and from 1 dB to 30 dB.

Features:

- Accurate attenuation
- Ultra-low back reflection
- Broad wavelength band
- Flat response over a wavelength range
- Environmentally stable

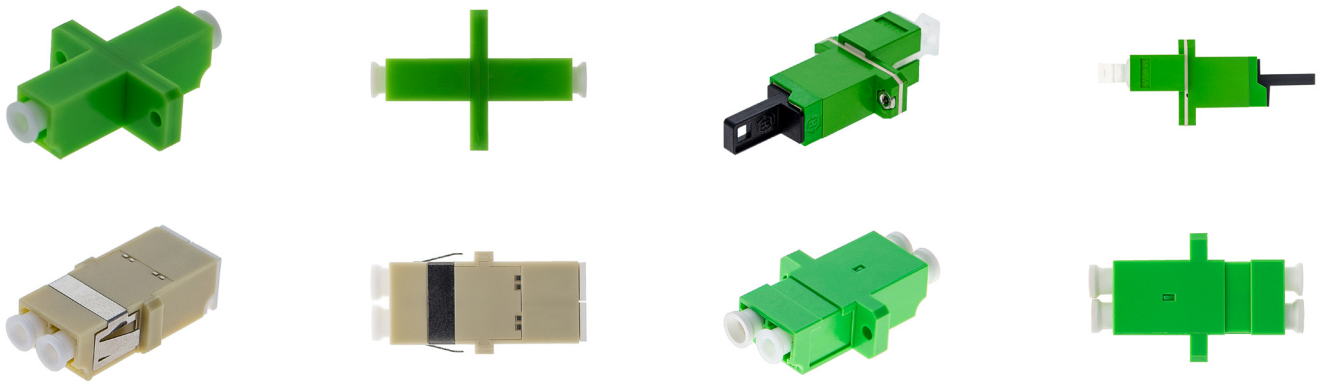
Available range of attenuation	1 to 30 dB with 1 dB increments
Operating wavelength	1310 and 1550 nm (or single wavelength)
Operating band pass	Dual Window - 1310 and 1550 nm (± 25 nm)
Attenuation accuracy (1-5 dB)	+/- 0.5 dB
Accuracy attenuation from 6 to 30 dB	+/- 10% (of attenuation value)
Reflectance	UPC = 55 dB - APC = 60 dB
International standard	Telcordia GR-910-CORE



Adapters/couplers

Our adapters/couplers feature high-precision alignment sleeves: ceramic for single mode, and phosphor bronze for multi-mode applications. This sleeving provides reliability and improved reconnection.

Available in simplex, duplex or quad form, in different colors, housing options include flanged or flangeless bodies, metal or in-built clips, and hybrid connectors for different connector types (eg LC to SC).



Fiber adapters/connectors

LC adapters

For greater reliability and better reconnection function, Technetix LC adapters feature high-precision alignment sleeves. Housing available in a range of colors, with flanged or flangeless options, and the choice of metal or in-built clips.

Features:

- Single mode and multi-mode
- Zirconia sleeves or phosphor bronze sleeves
- NTT standard compatible
- Available without flanges or with flange for duplex and quad, saving panel space
- SC2 8-port high-density for panel mount applications
- Meets JIS5974 and Bellcore GR-326 standard
- Compliant with IEC874-14 & IEC874-19
- ROHS compliant
- LC adapters are available with an auto dust shutter

Optical performance	Ceramic	Phosphor bronze	Conformance
Insertion loss (typ)	0.1 dB	0.15 dB	IEC 61300-3-4
Mating durability	500		IEC 61300-2-2
Receptacle retention force	1 N - 2.5 N		IEC 61754-20
Operating temperature (F)	-13 to +158, 12 cycles		IEC 61300-2-22

FC adapters

Improved reconnection and reliability through high-precision alignment sleeves, Technetix' FC adapters have an M8 threaded metal body with securing nut, metal or built-in clips, flanged or flangeless body options are available in a range of colors.

Features:

- IEC 61754 & TIA 604-4-A compliant
- High-precision alignment sleeve
- Low insertion loss and good reconnection
- Narrow key
- RoHS, REACH SvHC compliant
- Available in simplex only

Applications:

- Telecommunication networks
- Local area networks
- Data processing networks
- Premises distribution
- Test and laboratory equipment
- Industrial and military application

Optical performance	Ceramic	Phosphor bronze	Conformance
Insertion loss (typ)	0.1 dB	0.15 dB	IEC 61300-3-4
Mating durability	500		IEC 61300-2-2
Receptacle retention force	2 N - 5.9 N		IEC 61754-13
Operating temperature (F)	-13 to +158, 12 cycles		IEC 61300-2-22

SC adapters

Our SC adapters have high-precision alignment sleeves for greater reliability and improved reconnection. Available in various colors, housing can be flanged or flangeless, and has metal or in-built clip options.

Features:

- IEC 61754-4 and IEC 60784-14 compliant
- High-precision alignment sleeve
- Low insertion loss and good reconnection
- RoHS, REACH SvHC compliant
- Available in simplex, duplex and quad adapters
- SC adapters available with auto dust shutter

Optical performance	Ceramic	Phosphor bronze	Conformance
Insertion loss (typ)	0.1 dB	0.15 dB	IEC 61300-3-4
Mating durability	500		IEC 61300-2-2
Receptacle retention force	2 N - 5.9 N		IEC 61754-4
Operating temperature (F)	-13 to +158, 12 cycles		IEC 61300-2-22

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