

Attenuating Fibers — ATN Series

PRODUCT DESCRIPTION

CorActive delivers a full range of high attenuation optical fibers to address the optical attenuation requirements for DWDM, CATV and other telecom applications. CorActive's Attenuation Optical Fiber (ATN) products have been specifically designed to provide flat attenuation over the widest possible wavelength range. Wideband uniform attenuation ensures complete compatibility with current and future DWDM, CATV and other telecom systems.

Industry leading fiber geometry control ensures a perfect ferrule fit to optimize mass production of fixed plug type and in-line attenuators. Ultra-low attenuation optical fiber facilitates patch cord and attenuated optical interconnect product creation.

AVAILABLE MODELS

ATN-FB

CorActive ATN-FB Series are specifically designed for the manufacturing of fixed in-line attenuators.

ATN-FBL

CorActive ATN-FBL Series are specifically designed for the manufacturing of patchcord attenuators.

ATN-FBS

CorActive ATN-FBS Series are specifically designed for the manufacturing of attenuators for undersea applications.

ATN-FBX

CorActive ATN-FBX Series are specifically designed for the manufacturing of high-attenuation fixed in-line attenuators.

APPLICATIONS

- Fixed In-Line Attenuators
- Optical Power Leveling and Balancing
- Patch Cord Attenuators
- Undersea Telecom Networks
- Termination Attenuators

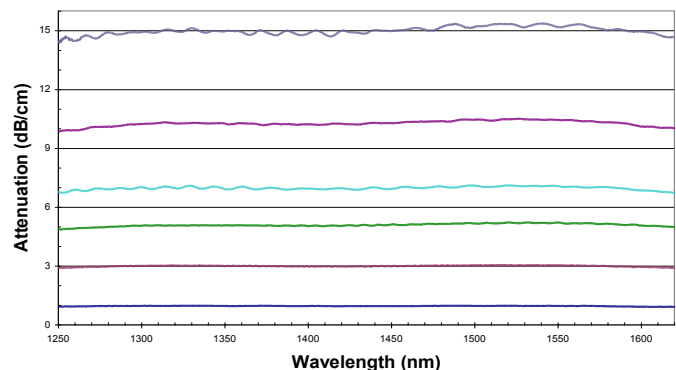
ADVANTAGES

- Industry leading fiber geometry provides high precision core alignment for more efficient fiber coupling
- Precise cladding diameter control for perfect ferrule fit reducing manufacturing costs & increasing production yield
- Tight attenuation tolerance enables compatibility with DWDM network application
- Full spectrum flat attenuation
- Exceptional batch to batch uniformity ensuring a consistently high quality attenuator product
- Wide attenuation range allowing the most cost effective fiber choice for your application



ATTENUATION SPECTRA

Typical Attenuation Curves - CorActive ATN

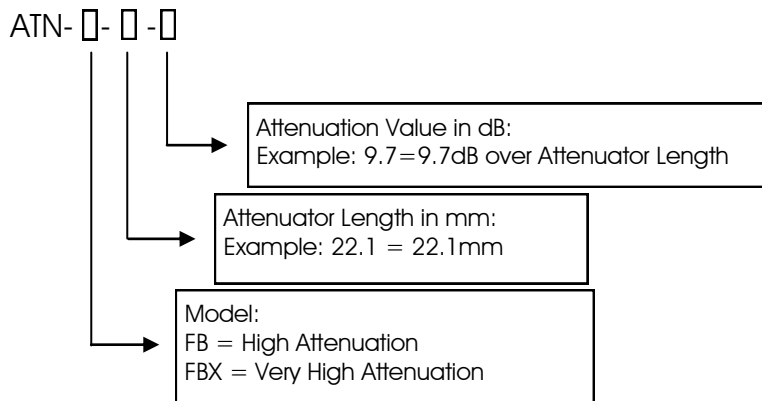


SPECIFICATIONS

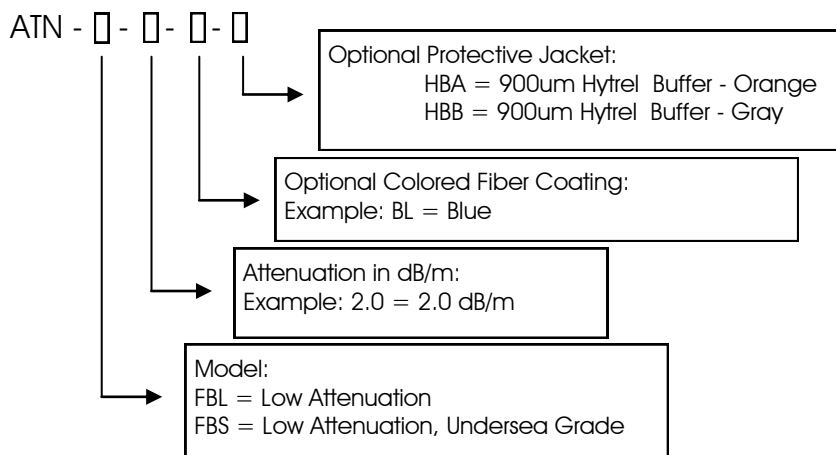
Optical	ATN-FB	ATN-FBL	ATN-FBS	ATN-FBX
Attenuation Range (dB/cm)	0.4 - 15	0.005 - 0.4	0.005 - 0.4	> 15
Operating Wavelength (nm)		1250 - 1620		
Attenuation Tolerance (from nominal, %)		± 7.5		
Nominal Core NA		0.14 ± 0.02		
Geometrical&Mechanical	ATN-FB	ATN-FBL	ATN-FBS	ATN-FBX
Core Diameter (μm)		7 ± 1		
Core/Clad Concentricity Error (μm)		≤ 0.8		
Clad Diameter (μm)		125 ± 0.5		
Coating Diameter (μm)		245 ± 10		
Tensile Proof Test (kpsi)		≥ 100		

ORDERING INFORMATION

ATN-FB & ATN-FBX Series



ATN-FBL & ATN-FBS Series



Other options are available upon request.

CorActive's industry leading attenuation tolerances coupled with minimal batch-to-batch variance and immediate availability from our comprehensive inventory enables our customers to minimize production and inventory carrying costs. CorActive customers order the exact attenuation per unit length that is required for their current production requirements and a matching fiber will be shipped immediately from CorActive's inventory in North America, Europe or Asia.

CorActive supplies attenuating optical fiber to many of the world's leading manufacturers of attenuator products.

CorActive
Specialty Optical Fiber Manufacturer

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