

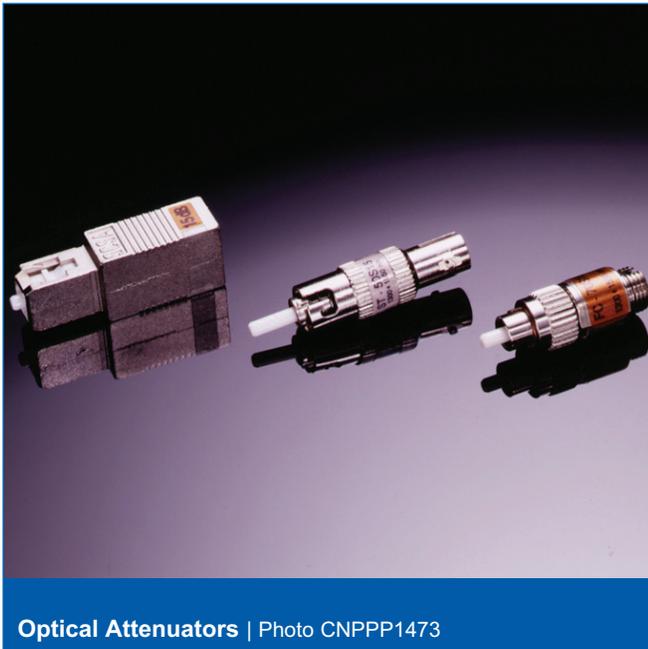
# In-Line, Flat Wavelength Optical Attenuators

A LANscape®  
Solutions Product

## features and benefits |

<b>Special fiber</b>	Minimizes effect of modal interference
<b>Insertion between connector and adapter</b>	Easy installation
<b>Tested to Telcordia GR-910 issue 2</b>	Meets performance requirements

Corning Cable Systems offers SC, ST® Compatible, FC, MU, LC low reflection, in-line, flat wavelength optical attenuators that are easily inserted between the connector and adapter in an “in-line” configuration and are compatible with SC, ST® compatible, FC, MU, LC and angled SC and FC connectors. These attenuators contain a zirconia ferrule with a specially selected attenuating fiber that minimizes the effect of modal interference and gives the component a flat spectral response. It is extremely stable over the wavelength range of 1260 to 1360 nm and 1430 to 1580 nm. Available in ultra PC ( $\leq -55$  dB) and angled PC ( $\leq -65$  dB) finish, these attenuators will meet the most demanding network reflectance requirements.



# In-Line, Flat Wavelength Optical Attenuators

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## specifications |

Parameter	Single-mode
<b>Attenuation Options</b>	1,2,3,5,7,10,11,13,15 or 20 dB (please specify) Ultra PC: 0 to 20 dB Angled PC: 1 to 20 dB
<b>Reflectance</b>	Ultra PC: ≤ -55 dB Angled PC: ≤ -65 dB
<b>Temperature Range</b>	-25° to +70°C

Insertion Loss	
Nominal	Specified Loss
1 to 5 dB	± 0.5 dB
6 to 30 dB	± 10 percent of attenuation value (example: 12 dB = ± 1.2 dB)

## ordering information |

ATN -    -

|1                      |2

- |1**
- Select attenuator type code.
- 54 = FC ultra PC
  - 58 = SC ultra PC
  - 61 = ST® Compatible ultra PC
  - 65 = SC angled PC
  - 21 = FC angled PC
  - A10 = LC ultra PC
  - A11 = MU ultra PC
  - A12 = LC angled PC

- |2**
- Select insertion loss value.
- 01 = 1 dB
  - 02 = 2 dB
  - 03 = 3 dB
  - 04 = 4 dB
  - 05 = 5 dB
  - 06 = 6 dB
  - 07 = 7 dB
  - 08 = 8 dB
  - 09 = 9 dB
  - 10 = 10 dB
  - 11 = 11 dB
  - 12 = 12 dB
  - 13 = 13 dB
  - 14 = 14 dB
  - 15 = 15 dB
  - 16 = 16 dB
  - 18 = 18 dB
  - 20 = 20 dB

Notes:

1) If required, attenuator configurations are also available in other increments. FC and PC nominal key is 2.00 mm and nominal key-way width is 2.05 mm.

2) ST compatible attenuators are available in 5, 10, 15 and 20 dB versions only.

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA  
800-743-2675 • FAX: 828-901-5973 • International: +1-828-901-5000 • [www.corning.com/cablesystems](http://www.corning.com/cablesystems)

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