

D4, SC, FC, ST[®] Compatible Fiber Optic Filter Attenuators

A LANscape[®]
Solutions Product

features and benefits |

| | |
|------------------------------------|---------------------|
| Shockproof metal housing | Durability |
| Standard adapter housings | Ease of use |
| DB value numerically marked | Easy identification |

Corning Cable Systems D4, SC, FC, ST[®] Compatible fiber optic filter attenuators are designed for incorporating absorption filters inside standard D4, SC, FC and ST compatible adapter housings for ease of use. The filters are interposed between the end-faces of mating plugs and attenuation values range from 5 dB to 20 dB. Available in 5 dB increments, each dB value is numerically marked for easy identification. Based on air gap design and incorporated inside standard adapter housings, these attenuators are compatible with standard distribution panels and include a numerical mark on the shock-proof housing to indicate attenuation values. With remateability of more than 1,000 cycles without significant performance variation, these attenuators are competitively priced and compatible with Lucent products.



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specifications |

| | | | | |
|--|---|-----------------------|-----------------------|--|
| Attenuation Options @ 1300 nm | 5, 10, 15, or 20 dB (please specify) | | | |
| Operating Temperature Range | -20° to +70°C | | | |
| Reflectance | -15 dB (-17 dB typical) | | | |
| Mating Durability | > 1,000 matings without significant variation | | | |
| Shipping Weight | 0.4 oz (approximately) | | | |
| Standard Package | One each | | | |
| Attenuation Tolerance @ 1300 nm | D4 ± 1.5 dB | SC ± 1.5 dB | FC ± 1.5 dB | ST[®] Compatible ± 1.5 dB |
| Attenuation Tolerance @ 1550 nm | ± 1.5 dB | ± 1.5 dB | ± 1.5 dB | ± 1.5 dB |

D4, SC, FC and ST compatible attenuators are designed for a 1300 nm operating wavelength. Used at other common wavelengths, typical attenuation will vary as follows.

| Operating Wavelength | Attenuation Value | | | |
|----------------------|-------------------|--------|-------|---------------|
| | D4 | SC | FC | ST Compatible |
| 1300 nm | 5.0 dB | 10 dB | 15 dB | 20 dB |
| 1550 nm | 4.3 dB | 7.6 dB | 12 dB | 14 dB |
| 820 nm | 6.6 dB | 16 dB | 23 dB | – |
| 632 nm | 7.5 dB | 23 dB | – | – |

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ordering information |

| Description | Attenuation @ 1300 nm | Part Numbers | | |
|---------------------------------------|-----------------------|----------------|----------------|----------------|
| | | Flanged | Threaded | Floating |
| D4 Attenuator | 5 dB | 4059820 | – | – |
| | 10 dB | 4059810 | – | – |
| | 15 dB | 4059800 | – | – |
| | 20 dB | 4059790 | – | – |
| SC Attenuator | 5 dB | 4059740 | – | – |
| | 10 dB | 4059730 | – | – |
| | 15 dB | 4059720 | – | – |
| | 20 dB | 4059710 | – | – |
| FC Attenuator | 5 dB | 4059780 | – | – |
| | 10 dB | 4059770 | – | – |
| | 15 dB | 4059760 | – | – |
| | 20 dB | 4059750 | – | – |
| ST [®] Compatible Attenuator | 5 dB | 4059950 | 4059870 | 4059910 |
| | 10 dB | 4059960 | 4059880 | 4059920 |
| | 15 dB | 4059970 | 4059890 | 4059930 |
| | 20 dB | 4059980 | 4059900 | 4059940 |

Note: "Floating" is a barred-style adapter without threads.

