

SHIELDING ACCESSORIES FIBER OPTIC WAVEGUIDE



FIBER OPTIC WAVEGUIDE

- **Exceeds NSA 94-106 Shielding Applications**
- **Central Plug Bore Accommodates ST and SMA Connectors**
- **All Connectors can be Installed into a Shielded Enclosure while Maintaining 100 dB Attenuation at 18 GHz**

ETS-Lindgren's Fiber Optic Waveguides offer an innovative and reliable solution for introducing fiber optic cables into shielded enclosures while maintaining impeccable RF isolation integrity. Designed with precision and performance in mind, these filters ensure seamless integration without compromising the shielding effectiveness of your enclosure.

The filters feature a removable center plug, allowing easy access for inserting connectorized cables into the precisely sized peripheral slots formed by six or twelve waveguide bores. This thoughtful design enables hassle-free installation while maintaining the shield's performance. The waveguide bore's diameter-to-length ratio has been expertly engineered to deliver superior attenuation, meeting the highest standards for RF shielding.

Engineered for versatility and dependability, ETS-Lindgren's Waveguide Filters are ideal for high-performance environments, ensuring optimal functionality in critical applications such as data centers, medical facilities, and research labs. With their robust construction and advanced design, these filters provide a seamless blend of efficiency, reliability, and cutting-edge technology, making them the preferred choice for professionals worldwide.

Technical Specifications

WGF-6 (Part no. 554260)

Frequency	Theoretical Attenuation
0.1 GHz	179.02 dB
10 GHz	165.77 dB
15 GHz	147.63 dB
18 GHz	131.59 dB
25 GHz	63.32 dB

WGF-12 (Part no. 554772)

Frequency	Theoretical Attenuation
0.1 GHz	176.02 dB
10 GHz	162.78 dB
15 GHz	144.63 dB
18 GHz	128.59 dB
20 GHz	114.91 dB
25 GHz	60.32 dB