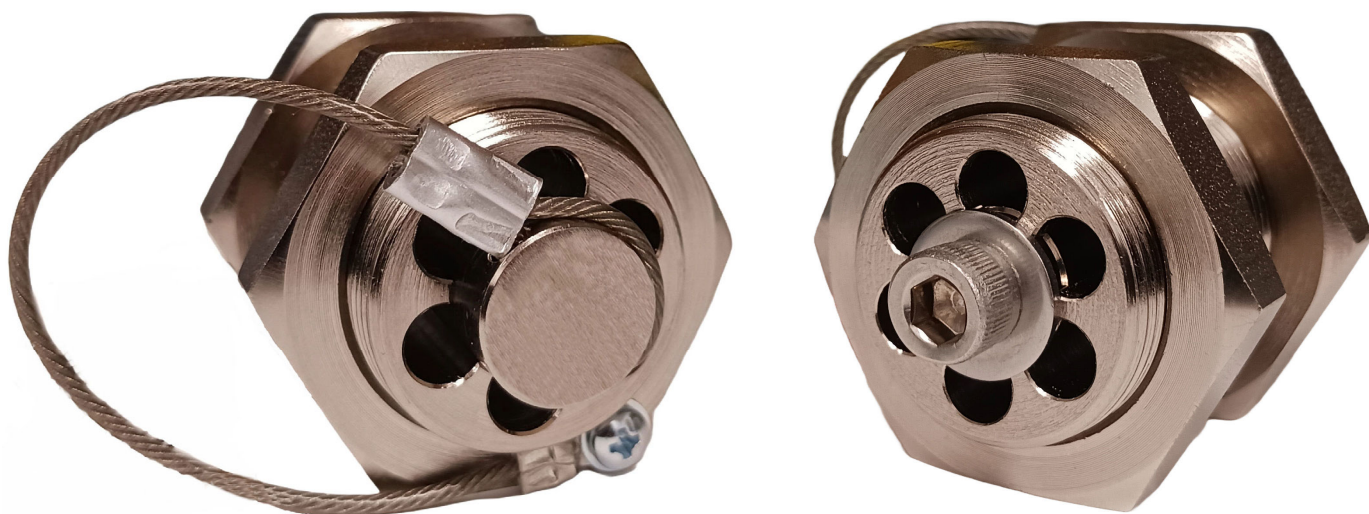


Fiber Waveguide Interface

STEWGF-6



Overview

The STEWGF-6 is a 6 channel waveguide filter. It will allow up to 6 pre-terminated fiber optic cables to be installed through an RF isolation chambers wall while maintaining RF isolation of that chamber.

Applications

- The primary applications are for use in RF Shielded Test Enclosures or Screen Rooms.

Features

- Allows up to 6 fiber optic cables with attached connectors.
- Uses waveguide cutoff principles to provide a high level of RF isolation.
- Removable plug allows easy access for changing fiber optic cables.
- Lanyard keeps removable plug attached to the STEWGF-6's mounting nut.



Electrical:

Cutoff Frequency:	27GHz.
Theoretical Attenuation:	
100MHz:	179dB.
4GHz:	179dB.
10GHz:	165dB.
15GHz:	147dB.
18GHz:	131dB.

Physical:

Waveguide Bores:	6 Separate Bores for Fiber Optic Cables.
Effective Length:	1.5" (38 mm).
Overall Length:	2.125" (54 mm).
Bore Dimensions (each):	0.257" x 0.159"(6.5mm x 4.0 mm).
Bore Plug Diameter:	0.5" (12.7 mm).
Plug Retaining Screw:	1/4"-20 x 1/2, 3/16" Hex Head.
Lanyard Retaining Screw:	#4-40 x 1/4", 3/16" Pan Head.
Recommended Cutout:	1.156" (29.5 mm).
Maximum Panel Thickness:	0.950" (24.1mm).
Weight:	0.5lbs (0.23Kg).
Material:	Steel.
Plating:	Electroless Nickel Finish.
Gasket:	Washer Gasket.

