



Shield and seal your fiber

The Roxel WaveGuide Seal ES protects beyond limits.

Is your sensitive communication equipment protected from electromagnetic threats? The increasing use of unshielded fiber optic cables in the digitalization era calls for inventions – such as the Roxel WaveGuide Seal ES.

Our ground-breaking solution for non-metallic fiber optic cable entries combines proven waveguide technology with certified sealing performance. It provides extreme electromagnetic shielding effectiveness while protecting against fire, gas, and water.

Common application areas

- Critical infrastructure
- Laboratories
- Data centers
- Military applications

Protection against multiple hazards

- Electromagnetic threats
- Fire
- Gas
- Water

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We can now offer a shielding seal that ensures an attenuation of minimum 100dB at 18GHz even in the worst-case scenario. It is the ideal seal for everything from labs and data centers to military applications.

Exceeding HEMP requirements

The Roxtec WaveGuide Seal ES is a penetration seal designed for routing of non-metallic fiber optic cables into a shielded enclosure while maintaining the enclosure's electromagnetic integrity. The waveguide seal is a high-performance product protecting electronics from electromagnetic threats such as EMP and HEMP and way beyond such requirements.

Attachment by welding or bolting

The Roxtec WaveGuide Seal ES is available in versions for welding or bolting to the structure. The sealing modules adapt to different sizes of fiber optic cables and can be used to build in spare capacity in the transit.



roxtec.com/wgs