



COMMSCOPE WAVEGUIDE-FLEX-TWIST Rectangular And Flexible Twistable Waveguides User Manual

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COMMSCOPE WAVEGUIDE-FLEX-TWIST Rectangular And Flexible Twistable Waveguides



Product Information

The WAVEGUIDE-FLEX-TWIST is a microwave connectivity accessory offered by CommScope. It is designed to optimize backhaul installation and performance. The product is a flexible-twistable waveguide, also known as a flex twist, which provides several benefits.

- Isolates vibration: The flex twist helps isolate vibrations, ensuring stable and reliable performance.
- Eliminates installation difficulties: It eliminates installation difficulties caused by misalignment, making the installation process smoother.
- Aids in positioning and alignment: The flex twist helps in positioning and aligning the microwave antenna by adding enough slack to allow sufficient adjustment.

Product Usage Instructions

To use the WAVEGUIDE-FLEX-TWIST effectively, follow these instructions:

1. Identify the appropriate waveguide size based on your requirements. The product is available in various dimensions, including WR112, WR137, WR159, WR187, WR229, WR28, WR34, WR42, WR51, WR62, WR75, and WR90. Choose the size that matches your microwave antenna specifications.
2. Ensure that the flex twist is properly connected to the microwave antenna and the backhaul system.
3. During installation, make sure to position and align the microwave antenna accurately. The flex twist provides enough slack to allow adjustments for optimal performance.
4. Avoid misalignment during installation to prevent difficulties and ensure the flex twist functions effectively.
5. Regularly inspect the flex twist for any signs of wear or damage. Replace it if necessary to maintain optimal performance.

For detailed electrical specifications and operating frequency bands, please refer to the user manual provided by CommScope.

INSTRUCTION

CommScope offers a complete selection of microwave connectivity accessories to optimize your backhaul

installation and performance.

Flexible-twistable waveguides are also called “flex twists,” and are designed to isolate vibration and eliminate installation difficulties caused by misalignment and also to help in positioning and aligning the microwave antenna by adding enough “slack” to allow sufficient adjustment.

Product Classification

Product Type

- Rectangular waveguide, flexible twist

Dimensions

Waveguide Size


WR112 | WG15 | R84 | WR137 | WG14 | R70 | WR159 | WG13 | R58 | WR187 | WG12 | R48 | WR229 | WG11 | R40 | WR28 | WG22 | R320 | WR34 | WG21 | R260 | WR42 | WG20 | R220 | WR51 | WG19 | R180 | WR62 | WG18 | R140 | WR75 | WG17 | R120 | WR90 | WG16 | R100

Electrical Specifications

Operating Frequency Band 10.0 – 15.0 GHz | 10.2 – 10.7 GHz | 10.7 – 11.7 GHz | 12.4 – 18.0 GHz | 15.0 – 22.0 GHz | 17.7 – 26.5 GHz | 22.0 – 33.0 GHz | 26.5 – 40.1 GHz | 27.5 – 29.5 GHz | 3.3 – 4.9 GHz | 3.54 – 4.2 GHz | 3.95 – 5.85 GHz | 37.0 – 40.0 GHz | 4.4 – 5.0 GHz | 4.9 – 7.05 GHz | 5.6 – 6.2 GHz | 5.725 – 6.425 GHz | 5.85 – 6.425 GHz | 5.85 – 8.2 GHz | 6.425 – 7.125 GHz | 7.05 – 10.0 GHz | 7.125 – 7.75 GHz | 7.125 – 8.5 GHz | 7.425 – 7.925 GHz | 7.725 – 8.3 GHz | 7.725 – 8.5 GHz | 8.2 – 12.4 GHz

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Documents / Resources



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WAVEGUIDE-FLEX-TWIST Rectangular And Flexible Twistable Waveguides, WAVEGUIDE-FL EX-TWIST, Rectangular And Flexible Twistable Waveguides, And Flexible Twistable Waveguide s, Flexible Twistable Waveguides, Twistable Waveguides

References

-  [CommScope Trademarks](#)