

# PREMIUM-ELLIPTICAL-WAVEGUIDE

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## HELIAX® Premium Elliptical Waveguide

CommScope offers a complete selection of microwave connectivity accessories to optimize your backhaul installation and performance.

Elliptical waveguides are the recommended transmission lines for microwave systems operating between 1.7 GHz and 23.6 GHz, with an elliptical cross section ideal for minimizing VSWR and eliminating signal distortion. Optimized for the lowest loss in significant user bands, with significantly lower attenuation than standard rectangular waveguide, which provides efficient signal transfer and optimum system performance.

### Product Classification

<b>Product Type</b>	Elliptical waveguide
<b>Product Brand</b>	HELIAX®
<b>Product Series</b>	Premium

### General Specifications

<b>Jacket Color</b>	Black
<b>Performance Note</b>	Values typical, unless otherwise stated

### Material Specifications

<b>Conductor Material</b>	Corrugated copper
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### Environmental Specifications

<b>Attenuation, Ambient Temperature</b>	75 °F   23.886 °C
<b>Average Power, Ambient Temperature</b>	104 °F   39.996 °C
<b>Average Power, Temperature Rise</b>	42 °F   5.555 °C