

STANDARD-ELLIPTICAL-WAVEGUIDE



HELIAX® Standard 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

Product Type	Elliptical waveguide
Product Brand	HELIAX®
Product Series	Standard

General Specifications

Jacket Color	Black
Performance Note	Values typical, unless otherwise stated

Material Specifications

Conductor Material	Corrugated copper
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Environmental Specifications

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