



OBSOLETE

This product was discontinued on: January 2, 2024

Product Classification

Product Type Standard elliptical waveguide

Product Brand HELIAX®
Product Series Standard

General Specifications

Jacket Color Black

Performance Note Values typical, unless otherwise stated

Dimensions

Diameter Over Jacket (E Plane)33.5 mm1.319 inDiameter Over Jacket (H Plane)22.9 mm0.902 in

Cable Volume 390 L/km | 4.198 ft³/kft

Electrical Specifications

eTE11 Mode Cutoff 6.46 GHz

Group Delay at Frequency 143 ns/100 ft @ 9.200 GHz | 468 ns/100 m @ 9.200 GHz

Operating Frequency Band 8.5 – 9.8 GHz

Attenuation

Frequency (GHz) Attenuation (dB/100 m) Attenuation (dB/100 ft) Average Power (kW) Group Velocity %

8.5 11.311 3.448 1.463 65



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8.7	10.917	3.328	1.516	67
8.9	10.589	3.227	1.563	68.8
9.1	10.31	3.142	1.606	70.4
9.3	10.07	3.069	1.644	71.9
9.5	9.863	3.006	1.678	73.3
9.7	9.681	2.951	1.71	74.6

Material Specifications

Conductor Material Corrugated copper

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, Multiple Bends (E Plane)	200 mm 7.874 in
Minimum Bend Radius, Multiple Bends (H Plane)	480 mm 18.898 in
Minimum Bend Radius, Single Bend (E Plane)	200 mm 7.874 in
Minimum Bend Radius, Single Bend (H Plane)	480 mm 18.898 in
Maximum Twist	3.281 °/m 1 °/ft

Environmental Specifications

Installation temperature $-40 \, ^{\circ}\text{C to } +60 \, ^{\circ}\text{C } (-40 \, ^{\circ}\text{F to } +140 \, ^{\circ}\text{F})$ Operating Temperature $-55 \, ^{\circ}\text{C to } +85 \, ^{\circ}\text{C } (-67 \, ^{\circ}\text{F to } +185 \, ^{\circ}\text{F})$ Storage Temperature $-70 \, ^{\circ}\text{C to } +85 \, ^{\circ}\text{C } (-94 \, ^{\circ}\text{F to } +185 \, ^{\circ}\text{F})$

Attenuation, Ambient Temperature $75 \,^{\circ}\text{F}$ | $23.889 \,^{\circ}\text{C}$ Average Power, Ambient Temperature $104 \,^{\circ}\text{F}$ | $40 \,^{\circ}\text{C}$ Average Power, Temperature Rise $42 \,^{\circ}\text{C}$ | $107.6 \,^{\circ}\text{F}$

Packaging and Weights

 $\textbf{Cable weight} \hspace{1.5cm} 0.5 \, \text{kg/m} \hspace{.2cm} \mid \hspace{.2cm} 0.336 \, \text{lb/ft}$

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



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