EWP90-105W 苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理





Product Classification

Product Type Elliptical waveguide

Product Brand HELIAX®

General Specifications

Jacket Color Black

Performance Note Values typical, unless otherwise stated

Dimensions

 Diameter Over Jacket (E Plane)
 33.5 mm | 1.319 in

 Diameter Over Jacket (H Plane)
 20.3 mm | 0.799 in

 Cable Volume
 334 L/km | 3.595 ft³/kft

Electrical Specifications

eTE11 Mode Cutoff 6.5 GHz

Group Delay at Frequency 125 ns/100 ft @ 11.200 GHz | 410 ns/100 m @ 11.200 GHz

Operating Frequency Band 10.5 – 11.7 GHz

Attenuation

Frequency (GHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)	Average Power (kW)	Group Velocity %
10.5	10.435	3.181	1.54	78.5
10.7	10.311	3.143	1.559	79.4
10.9	10.198	3.108	1.576	80.3
11.1	10.096	3.077	1.592	81.1
11.3	10.004	3.049	1.606	81.8
11.5	9.92	3.024	1.62	82.5

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11.7 9.843 3 1.633 83.1

Material Specifications

Conductor Material Corrugated copper

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, Multiple Bends (E Plane)180 mm | 7.087 inMinimum Bend Radius, Multiple Bends (H Plane)480 mm | 18.898 inMinimum Bend Radius, Single Bend (E Plane)150 mm | 5.906 inMinimum Bend Radius, Single Bend (H Plane)330 mm | 12.992 inMaximum Twist6.562 °/m | 2 °/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

Cable weight 0.48 kg/m | 0.323 lb/ft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system



