EWP17-19

苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理



EWP17, HELIAX® Premium Elliptical Waveguide, 1.9–2.3 GHz, black PE jacket

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)143.5 mm | 5.65 inDiameter Over Jacket (H Plane)75.9 mm | 2.988 in

Cable Volume 6596 L/km | 70.999 ft³/kft

Electrical Specifications

eTE11 Mode Cutoff 1.364 GHz

Group Delay at Frequency 139 ns/100 ft @ 2.000 GHz | 456 ns/100 m @ 2.000 GHz

Operating Frequency Band 1.9 – 2.3 GHz

VSWR/Return Loss

Frequency Band VSWR Return Loss (dB)

1.9–2.3 GHz 1.17 22.13

Attenuation

Frequency (GHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)	Average Power (kW)	Group Velocity %
1.9	1.253	0.382	42.578	69.6
2.0	1.186	0.362	44.99	73.1

Page 1 of 2



EWP17-19 苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理

2.1	1.137	0.347	46.913	76
2.2	1.101	0.336	48.475	78.5
2.3	1.072	0.327	49.758	80.5

Material Specifications

Conductor Material Corrugated copper

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, Multiple Bends (E Plane)710 mm27.953 inMinimum Bend Radius, Multiple Bends (H Plane)2060 mm81.102 inMinimum Bend Radius, Single Bend (E Plane)510 mm20.079 inMinimum Bend Radius, Single Bend (H Plane)1450 mm57.087 inMaximum Twist0.82 °/m0.25 °/ft

Environmental Specifications

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

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 4.06 kg/m | 2.728 lb/ft

Regulatory Compliance/Certifications

Agency Classification

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



