苏州启道 - 康普安德鲁HELIAX中国区独家授权总代理



EW20, HELIAX® Standard Elliptical Waveguide, 2.5–2.7 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)127.5 mm | 5.02 inDiameter Over Jacket (H Plane)71.9 mm | 2.831 in

Cable Volume 5621 L/km | 60.504 ft³/kft

Electrical Specifications

eTE11 Mode Cutoff 1.57 GHz

Group Delay at Frequency 128 ns/100 ft @ 2.600 GHz | 418 ns/100 m @ 2.600 GHz

Operating Frequency Band 2.5 – 2.7 GHz

VSWR/Return Loss

Frequency Band VSWR Return Loss (dB)

2.5–2.7 GHz 1.15 23.13

Attenuation

Frequency (GHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)	Average Power (kW)	Group Velocity %
2.5	1.445	0.44	33.443	77.8
2.6	1.413	0.431	34.187	79.7

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2.7 1.388 0.423 34.818 81.4

Material Specifications

Conductor Material Corrugated copper

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, Multiple Bends (E Plane) 660 mm | 25.984 in

Minimum Bend Radius, Multiple Bends (H Plane) 1800 mm | 70.866 in

Minimum Bend Radius, Single Bend (E Plane) 460 mm | 18.11 in

Minimum Bend Radius, Single Bend (H Plane) 1270 mm | 50 in

Maximum Twist 0.098 °/m | 0.03 °/ft

Environmental Specifications

Installation temperature -40 °C to +60 °C (-40 °F to +140 °F)

Operating Temperature $-55 \,^{\circ}\text{C} \text{ to } +85 \,^{\circ}\text{C} \, (-67 \,^{\circ}\text{F to } +185 \,^{\circ}\text{F})$

Storage Temperature -70 °C to +85 °C (-94 °F to +185 °F)

Attenuation, Ambient Temperature 75 °F | 23.889 °C

Average Power, Ambient Temperature 104 °F | 40 °C

Average Power, Temperature Rise 42 °C | 107.6 °F

Packaging and Weights

Cable weight 2.76 kg/m | 1.855 lb/ft

Regulatory Compliance/Certifications

Agency Classification

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

