



EWP132-140

EWP132, HELIAX® Premium Elliptical Waveguide, 14.0–14.5 GHz, black PE jacket

Construction Materials

Jacket Material	PE
Conductor Material	Corrugated copper
Jacket Color	Black

Dimensions

Cable Volume	167.0 L/km 1.8 ft ³ /kft
Cable Weight	0.33 kg/m 0.22 lb/ft
Diameter Over Jacket (E Plane)	24.40 mm 0.96 in
Diameter Over Jacket (H Plane)	15.50 mm 0.61 in

Electrical Specifications

Operating Frequency Band	14.0 – 14.5 GHz
eTE11 Mode Cutoff	9.220 GHz
Group Delay	131 ns/100 ft @ 14.700 GHz 428 ns/100 m @ 14.700 GHz

Environmental Specifications

Installation Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-70 °C to +85 °C (-94 °F to +185 °F)

General Specifications

Brand	HELIAX®
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Mechanical Specifications

Maximum Twist	6.00 °/m 2.00 °/ft
Minimum Bend Radius, Multiple Bends (E Plane)	130.00 mm 5.00 in
Minimum Bend Radius, Multiple Bends (H Plane)	360.00 mm 14.00 in
Minimum Bend Radius, Single Bend (E Plane)	130.00 mm 5.00 in
Minimum Bend Radius, Single Bend (H Plane)	360.00 mm 14.00 in

Standard Conditions

Attenuation, Ambient Temperature	24 °C 75 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Temperature Rise	42 °C 76 °F

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
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