Product Specifications







FWP132-140

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

Construction Materials

Jacket Material PΕ

Conductor Material Corrugated copper

Jacket Color Black

Dimensions

Cable Volume 167.0 L/km | 1.8 ft³/kft Cable Weight 0.33 kg/m | 0.22 lb/ft 24.40 mm | 0.96 in Diameter Over Jacket (E Plane) 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) -70 °C to +85 °C (-94 °F to +185 °F) Storage Temperature

General Specifications

Brand HELIAX®

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 42 °C | 76 °F Average Power, Temperature Rise

Return Loss/VSWR

Frequency Band VSWR Return Loss (dB)

Product Specifications



EWP132-140

on the go

14.0–14.5 GHz 1.08 28.30

- * VSWR/Return Loss indicated is for lengths up to 300 ft (91.4 m)
- * VSWR/Return Loss is guaranteed for factory-fit and typical for field-fit assemblies
- * Custom length performance: Call +1-800-255-1479 (N. America), 1-779-435-6500 (Int'l.), or your local Andrew representative

Attenuation

Frequency (GHz)	Attenuation (dB/100 ft)	Attenuation (dB/100 m)	Average Power (kW)	Group Velocity %
14	4.982	16.343	0.826	75.3
14.2	4.93	16.174	0.835	76.1
14.4	4.882	16.018	0.843	76.8

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant

China RoHS SJ/T 11364-2006 Below Maximum Concentration Value (MCV)

ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system



