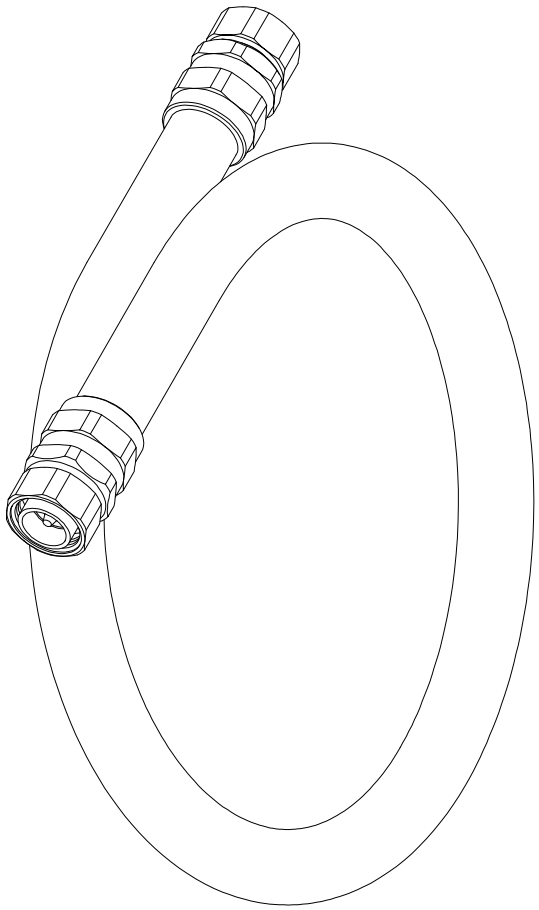
Coaxial Cable Assembly, 7/16 DIN Male

GERLING

Model GA2106

Model GA2106 Coaxial Cable Assembly is designed for delivering high power microwave energy in industrial applications where rectangular waveguide is not suitable. The cable is constructed of corrugated copper with a foam dielectric and solid copper center conductor, providing both flexibility and robustness in demanding environments. Standard 7/16 DIN male connectors mate with any standard 7/16 DIN female connector on devices designed for high power microwave transmission. The same cable assembly is suitable for operation at either 2.45 GHz or 5.8 GHz.

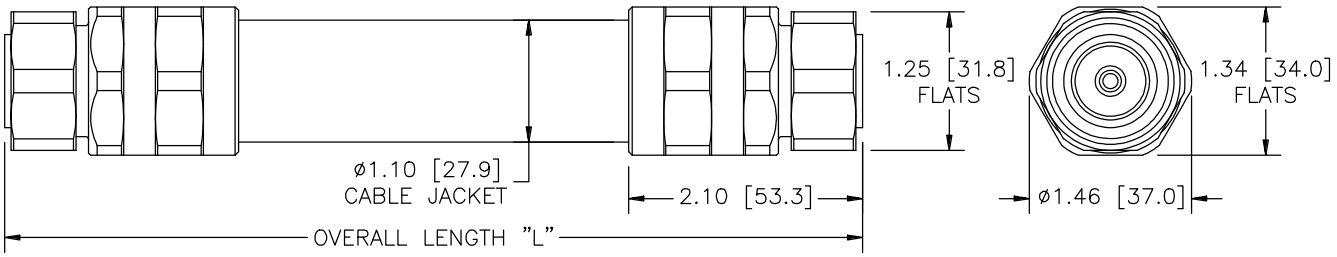


Specifications:

Frequency	2.45 GHz or 5.8 GHz nominal
Impedance	50 Ohm
Input Power (max)	(when operating into matched load) 2.45 GHz: 1.5 kW average 40 kW peak 5.8 GHz: 700 W average 40 kW peak
Attenuation (max)	2.45 GHz: 1.9 dB/100 ft 5.8 GHz: 3.1 dB/100 ft
VSWR (max)	1.15
Connector Type	7/16 DIN Male (both ends)
Cable Size	7/8 inch
Materials:	Inner Conductor: Copper Outer Conductor: Copper (corrugated) Dielectric: Foam polyethylene Jacket: Polyethylene Connector: Trimetal plated copper
Bend Radius (min)	Single Bend: 5 inch Multiple Bends: 10 inch
Bend Cycles (max)	15 (minimum) 30 (typical)
Ambient Temperature (standard)	
	Attenuation: 68 ºF (20 ºC) Average Power: 104 ºF (40 ºC) (NOTE: Derate for higher ambient temperature conditions.)
Weight	0.70 lbs (0.32 kg) plus 0.30 lbs (0.14 kg) per foot

Ordering Information:

Model Number Format: **GA2106-XX**
XX = Overall Length "L" (feet)



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All dimensions are in inches [millimeters].

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