

Coaxial Cable Assembly, EIA 1-5/8

GERLING

Model GA2108

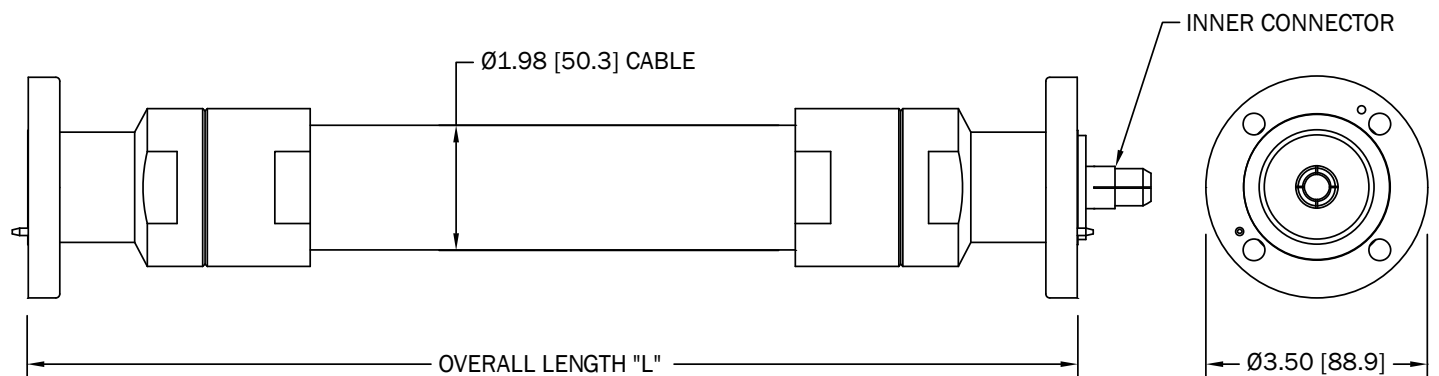
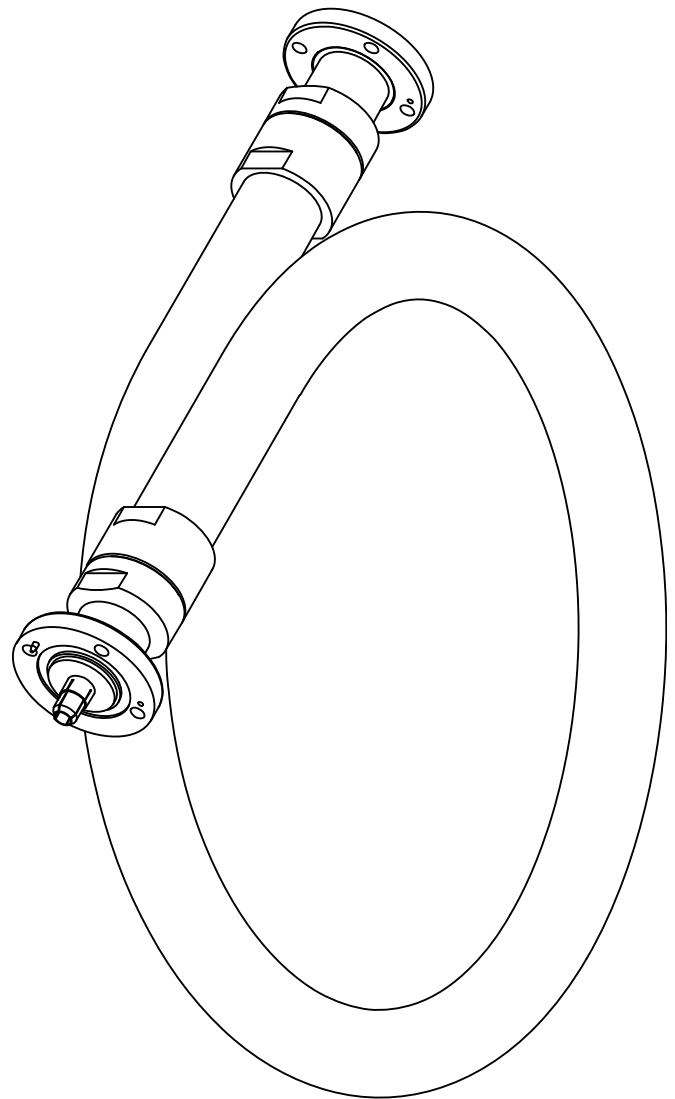
Model GA2108 Coaxial Cable Assembly is designed for delivering high power microwave energy in industrial applications where rectangular waveguide may not be suitable. The cable is constructed of flexible corrugated copper inner and outer conductors, low loss foam polyethylene dielectric, and a polyethylene jacket. One standard EIA 1-5/8 coax inner connector is included.

Specifications:

Frequency	2.75 GHz maximum
Impedance	50 Ohm nominal
Input Power (max)	2.45 GHz: 2.95 kW average, 83 kW peak (when operating into matched load)
Attenuation (max)	2.45 GHz: 1.15 dB/100 ft
VSWR (max)	1.15
Connector Type	EIA 1-5/8 Coax, gas pass (both ends)
Materials:	Inner Conductor: Corrugated copper Outer Conductor: Corrugated copper Dielectric: Foam polyethylene Jacket: Polyethylene Connector: Tri-metal plated copper
Bend Radius (min)	Installation: 8 inch (20 cm) Repeat: 20 inch (50 cm)
Bending Moment	31 ft-lbs (42 Nm)
Temperature	185 °F (85 °C) max, -58 °F (-50 °C) min (NOTE: Derate input power for higher ambient temperature conditions)
Weight	3.8 lbs (1.7 kg) plus 0.3 lbs (0.14 kg) per foot

Ordering Information:

Model Number Format: **GA2108-XX**
XX = Overall Length "L" (feet)



GERLING APPLIED
ENGINEERING, INC.

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PO Box 580816 • Modesto, CA 95358 • USA
Phone: +1-209-527-8960 • Fax: +1-209-527-5385
E-mail: sales@2450MHz.com • Web: www.2450MHz.com