

**RNL 600 Flexible Low Loss
Communications Coax**
RNL-600

Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Solid Copper Clad Aluminum Wire	4.47 mm
Dielectric	Foamed Polyethylene	11.56 mm
Outer Conductor	Aluminum Tape	11.71 mm
Overall Braid	Tinned Copper	12.45 mm
Jacket	PE	14.99 mm

Electrical Data

Impedance	50 $\Omega \pm 2$
Frequency	DC to 8 GHz
Capacitance	76.6 pF/m
Velocity of signal propagation	85 %
Signal delay	3.83 ns/m
Operating voltage	≤ 8 kVrms (@ sea level)

Mechanical Data

Weight	200 g/m
Min. bending radius	31.8 mm (Static) 152.4 mm (Dynamic)

Environmental Data

Temperature range	-40°C to +85°C
Installation temperature	-40°C to +85°C
RoHS (2011/65/EU)	compliant

Typical Attenuation

Frequency (GHz)	Typical Attenuation (dB/m) @ 25°C sea level	Typical Attenuation (dB/ft) @ 25°C sea level	Max. CW power (Watt) @ 40°C sea level
0.15	0.03	0.01	2410
0.45	0.06	0.02	1350
0.9	0.08	0.03	930
1.5	0.11	0.03	700
1.8	0.12	0.04	630
2.0	0.13	0.04	590
2.5	0.15	0.04	520
5.8	0.24	0.07	320
8.0	0.29	0.09	260