

**RNL 195 Flexible Low Loss
Communications Coax**
RNL-195

Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Solid Bare Copper	0.94 mm
Dielectric	Foamed Polyethylene	2.79 mm
Outer Conductor	Aluminum Tape	2.95 mm
Overall Braid	Tinned Copper	3.53 mm
Jacket	PE	4.95 mm

Electrical Data

Impedance	50 Ω \pm 2
Frequency	DC to 8 GHz
Capacitance	83.3 pF/m
Velocity of signal propagation	75 %
Signal delay	4.17 ns/m
Operating voltage	\leq 3 kVrms (@ sea level)

Mechanical Data

Weight	30 g/m
Min. bending radius	12.7 mm (Static) 50.8 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	0.15	0.04	390
0.45	0.26	0.08	220
0.9	0.37	0.11	160
1.5	0.48	0.15	120
1.8	0.53	0.16	110
2.0	0.55	0.17	100
2.5	0.62	0.19	90
5.8	0.98	0.30	60
8.0	1.18	0.36	40