

RNL 200 Flexible Low Loss
Communications Coax

RNL-200



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Solid Bare Copper	1.12 mm
Dielectric	Foamed Polyethylene	2.95 mm
Outer Conductor	Aluminum Tape	-
Overall Braid	Tinned Copper	3.6 mm
Jacket	PE	4.95 mm

Electrical Data

Impedance	50 Ω ± 2
Frequency	DC to 8 GHz
Capacitance	80 pF/m
Velocity of signal propagation	83 %
Signal delay	4.02 ns/m
Withstanding voltage (AC; 1 min)	≤ 1 kV (@ sea level)

Mechanical Data

Weight	40 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

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	0.13	0.04	450
0.45	0.23	0.07	260
0.9	0.33	0.10	180
1.5	0.42	0.13	140
1.8	0.47	0.14	130
2.0	0.49	0.15	120
2.5	0.55	0.17	110
5.8	0.87	0.26	70
8.0	1.03	0.31	60