

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	3.07 mm
Overall Braid	Tinned Copper	3.66 mm
Jacket	PE	4.95 mm

Electrical Data

Impedance	50 $\Omega \pm 2$
Frequency	DC to 8 GHz
Capacitance	80.3 pF/m
Velocity of signal propagation	83 %
Signal delay	4.02 ns/m
Operating voltage	≤ 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	0.13	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