

200-RPSMA-N DATASHEET

The Laird 200-RPSMA-N series of ultra-low loss antenna cables allows for longer runs with no signal degradation and are 802.11 a/b/g compatible. The 200-RPSMA-N is ideal for wireless antenna communication, wireless microphones, and radio communications because it is designed to ensure data signals travel efficiently over long distances while providing strong signal strength and minimal interference. Laird also offers RPTNC, N-Type, and BNC Type Extension cables.

Features:

- Resistant to oil, ozone, weathering effects, greases, water, UV radiation
- Approved by the Mine Safety and Health Administration
- Rubber-Jacketed



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Specifications:

- **RG Type:** 58
- **Conductor AWG:** 17
- **Conductor Stranding:** Solid
- **Conductor Nom. Diameter:** 0.044 in (1.117mm)
- **Conductor Material:** Bare Copper-BC
- **Overall Cable Diameter:** 0.195 in (4.95 mm)
- **Insulation Material:** Polyethylene - PE - (Foam)
- **Insulation Nom. Diameter:** 0.116 in (2.95 mm)
- **Outer Shield Layer 1 Type:** Tape
- **Outer Shield Layer 1 Material/Coverage:** Tri-Laminate (Alum+Poly+Alum)/100%
- **Outer Shield Layer 2 Type:** Braid
- **Outer Shield Layer 2 Material/Coverage:** Tinned Copper (TC)/95%
- **Outer Jacket Material:** Polyethylene - PE
- **Outer Jacket Nom. Diameter:** 0.195 in (4.95 mm)
- **VSWR:** 5 - 6000 MHz - 1.25:1
- **Nom. Conductor DCR:** 5.4 Ohm/1000ft
- **Nom. Outer Shield DCR:** 3.6 Ohm/1000ft (12 Ohm/km)
- **Nom. Capacitance Cond-to-Shield:** 23.5 pF/ft (77.1 pF/m)
- **Nom. Characteristic Impedance:** 50Ω
- **Nom. Velocity of Prop:** 85%
- **Temperature:** -40°F to 176°F (-40°C to +80°C)
- **Flexing Bend Radius:** 1.9 in (48 mm)
- **Max Pull Tension:** 25.4lbs (11.5 kg)
- **Weight:** 0.026lbs/ft

Amphenol Connectors:

- **Body Finish:**
 - **RP Connector:** Gold
 - **N-Type:** White Bronze
- **Body Material:** Brass
- **Contact Finish:** Gold
- **Contact Material:** Brass
- **Frequency (Max GHz):** 11
- **Coupling Mechanism:** Threaded
- **Impedance (Ohms):** 50Ω