

LAIRD 400-B-B SERIES

The Laird 400-B-B is a series of ultra-low loss antenna cables that allows for longer runs with no signal degradation and is 802.11 a/b/g compatible. The 400-B-B is ideal for wireless antenna communication, wireless microphones, and radio communications because it maintains signal strength on longer runs. The 400-B-B series is designed to ensure data signals travel efficiently over long distances while providing strong signal strength and minimal interference. Laird also offers RP-SMA and N-Type Extension cables.

Features:

- Utilizes Belden 7810A cable and High-Quality Amphenol RF BNC connectors
- Outdoor Rated, Sunlight Resistant. UV Resistant
- Designed for Low Loss (attenuation), and Low Voltage Standing Wave Ratio (VSWR)
- Excellent performance across long distance



LAIRD 400-B-B SERIES

Specifications:

- **RG Type:** 8
- **Conductor AWG:** 10
- **Conductor Stranding:** Solid
- **Conductor Nom. Diameter:** 0.111in (2.819mm)
- **Conductor Material:** Bare Copper Covered Aluminum-BCCA
- **Insulation Material:** Polyethylene - PE - (Foam)
- **Insulation Nom. Diameter:** 0.285in (7.24mm)
- **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:** 0.403in (10.2mm)
- **Overall Cable Diameter:** 0.403in (10.2mm)
- **Nom. Conductor DCR:** 1.3 Ohm/1000ft
- **Nom. Outer Shield DCR:** 2.0 Ohm/1000ft (6.6 Ohm/km)
- **Nom. Capacitance Cond-to-Shield:** 23 pF/ft (75 pF/m)
- **Nom. Characteristic Impedance:** 50Ω
- **Nom. Velocity of Prop:** 86%
- **VSWR:** 5 - 6000 MHz - 1.25:1
- **Voltage Rating:** 300V
- **Temperature:** -40°F to 176°F (-40°C to +80°C)
- **Bend Radius:** 2.0in (51mm)
- **Max Pull Tension:** 145lbs (65.8 kg)
- **Weight:** 0.077lbs/ft

LAIRD 400-B-B SERIES

Specifications:

Amphenol RF BNC Connectors:

- **Body Finish:** Nickel
- **Body Material:** Brass
- **Contact Finish:** Gold Plating
- **Contact Material:** Brass
- **Coupling Mechanism:** Bayonet
- **Gender:** Plug
- **Insulator Material:** PTFE
- **Nom. Impedance:** 50Ω
- **Frequency Range:** 0-4 GHz
- **Min DWV:** 300 VRMS
- **Return Loss:** DC - 4 GHz 1.3 (-18 dB) Max
- **Insulation Resistance:** 5000 MΩ Min
- **Center Contact Resistance:** 1.5 mΩ Min
- **Outer Resistance:** 0.2 mΩ Min
- **Insertion Loss:** 0.2 dB Max @ 3 GHz
- **Mating Cycles:** 500