

RG8X-B-B DATASHEET

Lairds RG8X-B-B coaxial cable assemblies combine the high-performance Belden 9258 RG-8X cable with Amphenol RF 112533 50 Ohm BNC connectors on both ends, creating a robust cable construction that ensures reliable signal transmission in wireless communication systems. The RG8X-B-B series is suitable for both indoor and outdoor use in point-to-point and point-to-multipoint wireless antenna communications, as well as applications such as wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low-Power FM, GPS, and RFID (Radio Frequency Identification).

Features:

- Thin and Flexible Belden 9258 RG-8X Coax Cable
- High-quality Amphenol RF 50 Ohm Connectors
- Indoor/Outdoor Rated
- Designed for Point-to-point and point-to-multipoint wireless communication systems



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Specifications:

Belden 9258:

- **RG Type:** 8
- **Conductor AWG:** 16
- **Conductor Stranding:** 19x29
- **Conductor Nom Diameter:** 0.057in
- **Conductor Material:** BC - Bare Copper
- **Insulation Material:** PE - Polyethylene (Foam)
- **Insulation Nom Diameter:** 0.155in
- **Outer Shield Type:** Braid
- **Outer Shield Material/Coverage:** BC - Bare Copper/95%
- **Outer Jacket Material:** PVC - Polyvinyl Chloride
- **Outer Jacket Nom Diameter:** 0.242in
- **Overall Cable Diameter:** 0.242in
- **Nom Conductor DCR:** 4.1 Ohm/1000ft
- **Nom Outer shield DCR:** 3.1 Ohm/1000ft (10 Ohm/km)
- **Nom Capacitance Cond-to-Shield:** 25.3 pF/ft (83.0 pF/m)
- **Nom Characteristic Impedance:** 50 Ohm
- **Nom Velocity of Prop:** 82%
- **UL Voltage Rating:** 300 V (CM)
- **Bend Radius:** 2.4 in (61mm)
- **Max Pull Tension:** (61lbs (28kg)

Amphenol RF 112533 Connector:

- **Frequency (Max GHz):** 4
- **Impedance (Ohms):** 50
- **Body Finish:** Nickel
- **Body Material:** Brass
- **Contact Finish:** Gold
- **Contact Material:** Brass
- **Coupling Mechanism:** Bayonet