

## Monoprice 106922

# Monoprice 50ft RG/58 AU 48% Braid - Black - (106922) User Manual

Model: 106922

## 1. INTRODUCTION

This manual provides essential information for the proper use, setup, and maintenance of your Monoprice 50ft RG/58 AU 48% Braid Coaxial Cable. This 50 Ohm Coax Cable is designed with BNC twist-on connectors, making it suitable for a variety of applications including marine SSB, marine VHF, amateur radio, emergency communications, and WLAN antennas. The cable features a 48% braided aluminum shielding to ensure signal integrity.

## 2. PRODUCT OVERVIEW

The Monoprice RG/58 AU Coaxial Cable is engineered for reliable signal transmission over a 50-foot distance. Its robust construction ensures durability and consistent performance.

### 2.1 Key Features

- **Length:** 50 feet (approximately 15.24 meters)
- **Impedance:** 50 Ohm
- **Connectors:** BNC twist-on connectors on both ends. These connectors are milled brass with nickel plating for enhanced durability and corrosion resistance.
- **Shielding:** Features a 48% braided aluminum RF shielding, which helps in preserving signal strength and minimizing interference.
- **Signal Quality:** Designed to provide clear reception and transmission for various communication systems.
- **Applications:** Ideal for use with Marine SSB, Marine VHF, amateur radio equipment, emergency communication setups, and Wireless Local Area Network (WLAN) antennas.

### 2.2 Product Components

The product consists of a single Monoprice RG/58 Video Cable with pre-attached BNC connectors.



*Figure 1: Monoprice 50ft RG/58 AU Coaxial Cable. This image shows the entire 50-foot cable coiled, with a BNC connector visible at each end. The cable is black and appears robust.*



Figure 2: Close-up view of a BNC connector on the Monoprice cable. The image highlights the nickel-plated, milled brass connector with the "MonoPrice" branding visible on the cable jacket near the connector.

### 3. SETUP

Setting up the Monoprice RG/58 AU Coaxial Cable is straightforward. Ensure all devices are powered off before making connections.

1. **Identify Ports:** Locate the BNC input and output ports on your devices (e.g., antenna, radio, test equipment).
2. **Connect Cable:** Align the BNC connector on one end of the Monoprice cable with the corresponding port on your first device. Push the connector onto the port and twist the outer ring clockwise until it locks securely into place.
3. **Repeat Connection:** Connect the other end of the Monoprice cable to the BNC port on your second device using the same method.
4. **Secure Cable Run:** Route the cable in a manner that avoids sharp bends, kinks, or excessive tension. Use cable ties or clips if necessary to secure the cable run and prevent accidental disconnections or damage.
5. **Power On:** Once both ends are securely connected, you may power on your devices.

*Note:* Always ensure a firm and secure connection to prevent signal loss or intermittent performance.

### 4. OPERATING

Once the Monoprice RG/58 AU Coaxial Cable is properly connected, it functions as a passive signal conduit. Its operation is dependent on the devices it connects.

- **Signal Transmission:** The cable facilitates the transmission of 50 Ohm impedance signals between connected devices.

- **Interference Reduction:** The braided aluminum shielding works to reduce electromagnetic interference (EMI) and radio frequency interference (RFI), ensuring a cleaner signal.
- **Compatibility:** Compatible with any device requiring a 50 Ohm RG/58 coaxial cable with BNC connectors.

No specific operational steps are required for the cable itself beyond proper connection. Refer to the user manuals of your connected devices for their operational instructions.

## 5. MAINTENANCE

Proper maintenance will extend the lifespan and ensure optimal performance of your Monoprice RG/58 AU Coaxial Cable.

- **Cleaning:** Use a soft, dry cloth to wipe down the cable and connectors. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, coil the cable loosely. Avoid tight coiling or kinking, which can damage the internal conductors and shielding. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the cable for any signs of wear, cuts, fraying, or damage to the connectors. If damage is observed, replace the cable to prevent signal degradation or potential hazards.
- **Environmental Protection:** While the cable is robust, protect it from excessive moisture, dust, and physical stress (e.g., being stepped on, run over by equipment).

## 6. TROUBLESHOOTING

If you experience issues with signal transmission, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No signal or intermittent signal	Loose BNC connection	Ensure both BNC connectors are securely twisted and locked onto their respective ports.
Poor signal quality (e.g., static, distortion)	Cable damage (kinks, cuts, internal breaks)	Inspect the entire length of the cable for visible damage. If damaged, replace the cable.
Poor signal quality	External interference	Ensure the cable is routed away from strong electromagnetic sources (e.g., power lines, large motors). The braided shielding helps, but extreme interference can still affect performance.
Cable does not fit device port	Incorrect connector type	Verify that your device requires a BNC connector. This cable is equipped with BNC connectors only.

If troubleshooting steps do not resolve the issue, consult the user manual of the connected devices or contact Monoprice customer support.

## 7. SPECIFICATIONS

Attribute	Detail
Brand	Monoprice
Model Name	106922
Product Dimensions	19.3 x 18.54 x 5.84 cm (packaged)
Item Weight	463 g

Attribute	Detail
Cable Length	50 feet (approx. 15.24 meters)
Cable Type	RG/58 Coaxial Cable
Impedance	50 Ohm
Connector Type	BNC (Twist-on)
Shielding	48% Braided Aluminum RF Shielding
Colour	Black
Outer Material	Other (Durable PVC Jacket)
Data Transfer Rate	50 Gigabits Per Second (as per product specification)
UPC	844660069225

## 8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official Monoprice website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

**Monoprice Official Website:** [www.monoprice.com](http://www.monoprice.com)

For specific product inquiries, please reference the model number: **106922**.