Manuals+
Q & A | Deep Search | Upload

Amphenol MS-156

Amphenol MS-156 / MS156 RG174 Cable User Manual

Model: MS-156

Introduction

This user manual provides essential information for the proper use, setup, and maintenance of your Amphenol MS-156 / MS156 RG174 Cable. This high-quality coaxial cable is designed for reliable signal transmission in various applications, particularly for testing and digital audio.

Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

Product Overview

The Amphenol MS-156 / MS156 cable features an MS-156 male plug on one end and an RP-SMA male plug on the other, connected by an RG174 coaxial cable. It is typically 35cm in length.

Image: The Amphenol MS-156 / MS156 RG174 cable, showing the MS-156 male plug (right, gold-colored, L-shaped) and the RP-SMA male plug (left, gold-colored, cylindrical with internal thread) connected by a black RG174 coaxial cable.

Key Components:

- **MS-156 Male Plug:** A specialized connector often used in test equipment and certain RF applications.
- **RP-SMA Male Plug:** A Reverse Polarity SMA connector, commonly found on Wi-Fi antennas and other RF devices.
- **RG174 Coaxial Cable:** A thin, flexible coaxial cable suitable for short-distance signal transmission.

Specifications

Feature	Detail
Model Name	MS-156

Brand	Amphenol
Connector Type	MS-156 Male to RP-SMA Male
Cable Type	RG174 Coaxial
Cable Length	Approximately 35 CM
Color	Black
Compatible Devices	Mixer, RF Test Equipment, Oscilloscope, RF Amplifier
Recommended Uses	Testing, Digital Audio Transmission
Indoor/Outdoor Usage	Outdoor, Indoor

Setup Instructions

Follow these steps to properly connect your MS-156 / MS156 cable:

1. **Identify Connectors:** Locate the MS-156 male plug and the RP-SMA male plug on the cable. Ensure they match the corresponding ports on your devices.
2. **Connect MS-156 End:** Carefully align the MS-156 male plug with the MS-156 port on your test equipment, oscilloscope, or RF amplifier. Push firmly until it clicks or seats securely.
3. **Connect RP-SMA End:** Align the RP-SMA male plug with the RP-SMA port on your other device (e.g., antenna, mixer). Gently screw the connector clockwise until it is finger-tight. *Do not overtighten*, as this can damage the connector or the device port.
4. **Verify Connection:** Ensure both ends are securely connected and there is no loose play. A proper connection is crucial for optimal signal integrity.

Important: Always power off devices before connecting or disconnecting cables to prevent potential damage.

Operating Guidelines

Once connected, the Amphenol MS-156 / MS156 cable facilitates signal transmission between compatible devices. Its primary applications include:

- **RF Testing:** Use the cable to connect RF test probes, signal generators, spectrum analyzers, or oscilloscopes for various radio frequency measurements and diagnostics.
- **Digital Audio Transmission:** While primarily an RF cable, RG174 can be used for certain digital audio applications where coaxial connectivity is required, such as connecting specific audio components.
- **Antenna Connections:** The RP-SMA end is commonly used for connecting external antennas to wireless devices, routers, or other equipment requiring RP-SMA interface.

Ensure that the impedance of the cable (typically 50 Ohm for RG174) matches the impedance requirements of your connected devices for optimal performance and minimal signal loss.

Care and Maintenance

Proper care will extend the life and performance of your cable:

- **Handling:** Avoid sharp bends, kinks, or excessive pulling on the cable, especially near the connectors, as this can damage the internal conductors.
- **Cleaning:** If connectors become dirty, gently wipe them with a clean, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the cable loosely coiled in a dry, cool place away from direct sunlight and extreme temperatures. Avoid tangling with other cables.
- **Inspection:** Periodically inspect the cable and connectors for any signs of wear, damage, or corrosion. Replace the cable if any damage is observed.

Troubleshooting

If you experience issues with your cable, consider the following common troubleshooting steps:

- **No Signal or Weak Signal:**
  - Ensure both ends of the cable are securely connected to the correct ports.
  - Check if the connectors are fully seated and tightened (RP-SMA).
  - Inspect the cable for visible damage (kinks, cuts, frayed shielding).
  - Verify that the connected devices are powered on and functioning correctly.
  - Confirm that the impedance of the cable matches the device requirements.
- **Intermittent Connection:**
  - This often indicates a loose connection. Re-seat and re-tighten connectors.
  - Check for internal damage to the cable that might not be visible externally.
- **Physical Damage to Connectors:**
  - If pins are bent or housing is cracked, the cable may need replacement.
  - Avoid forcing connectors into incompatible ports.

If problems persist after following these steps, contact customer support or consult a qualified technician.

Warranty and Support

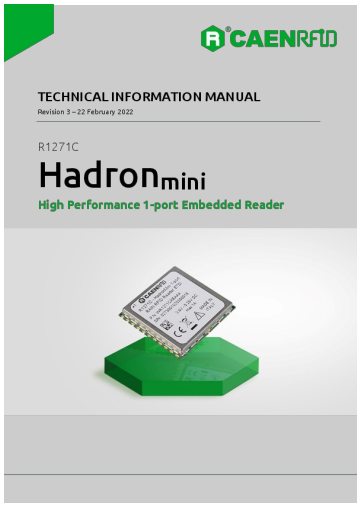
This Amphenol MS-156 / MS156 cable is manufactured to high standards. While specific warranty details are not provided in this manual, standard return policies typically apply.

For issues related to manufacturing defects or performance problems within the initial period (e.g., 30 days from purchase), please refer to the retailer's return and exchange policy. For this product, a 30-day return policy is generally applicable.

For technical support or further inquiries, please contact the seller or manufacturer directly. Their contact information can usually be found on your purchase receipt or the product packaging.

Manufacturer: Custom Cables Group LLC

Documents - Amphenol – MS-156



[pdf] User Manual Specifications Datasheet

R1271C Hadron mini Technical Information Manual 1 0 Manuela Cippitelli CAEN RFID Federal Communications Commission FCC Notice This device was tested and found to comply with the limits set forth in Part 15 of Rules Rev 03 caenrfid 2021 11 |||

TECHNICAL INFORMATION MANUAL Revision 3 22 February 2022 R1271C Hadronmini High Performance 1-port ... nna will be connected to the Hadronmini R1271C s RF port. J12 is a coaxial switch connector Hirose **MS-156**HF that can be used to perform measurements directly at RF output pin of Hadronmini R1271C. V... lang:en score:10 filesize: 2.4 M page_count: 39 document date: 2022-02-23