

Amphenol MS-156

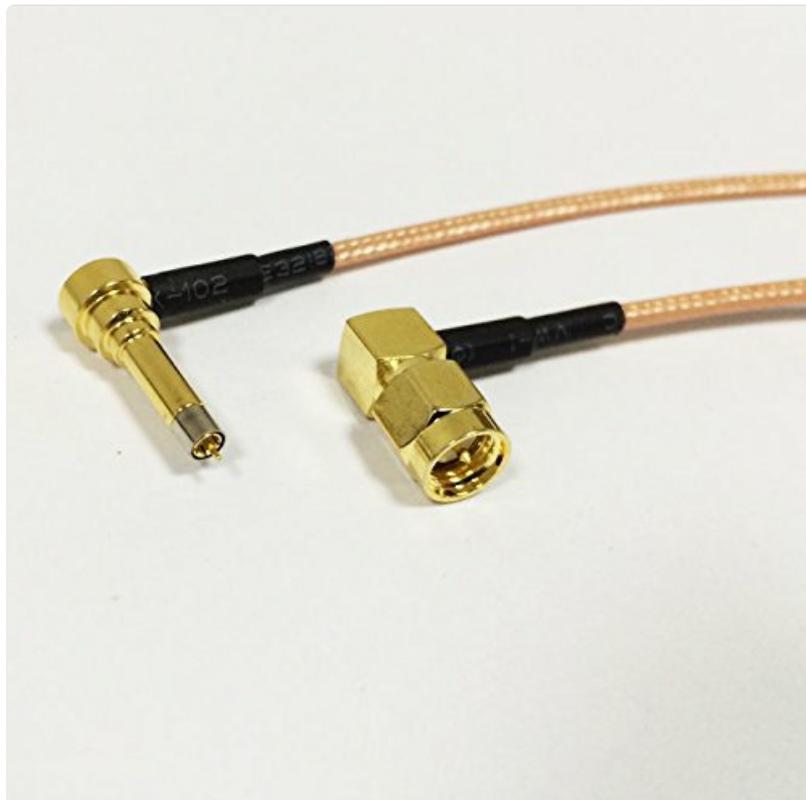
Amphenol MS-156 RG316 Coaxial Cable Instruction Manual

Model: MS-156 | Brand: Amphenol

1. INTRODUCTION

This manual provides essential information for the proper use and care of your Amphenol MS-156 RG316 Coaxial Cable. This high-quality cable is designed for reliable signal transmission in various applications, particularly for testing and measuring RF signals. It features an MS-156 plug male connector on one end and an SMA male right-angle connector on the other, with a length of 15cm (6 inches).

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



This image shows the Amphenol MS-156 RG316 coaxial cable. One end features an MS-156 plug male connector, and the other end has an SMA male right-angle connector. The cable is black and approximately 15cm (6 inches) long.

2. SETUP

The Amphenol MS-156 RG316 cable is designed for straightforward connection between compatible devices. Follow these steps for proper setup:

1. **Identify Connectors:** Locate the MS-156 plug male connector and the SMA male right-angle connector on the cable.
2. **Check Device Compatibility:** Ensure that your devices have corresponding female MS-156 and SMA ports.
3. **Connect MS-156 End:** Gently insert the MS-156 plug male connector into the appropriate port on your first device. Ensure it seats firmly.
4. **Connect SMA End:** Carefully align the SMA male right-angle connector with the SMA female port on your second device. Screw the connector clockwise until it is finger-tight. *Do not overtighten*, as this can damage the connector or port.
5. **Verify Connection:** Ensure both ends are securely connected and there is no visible gap or looseness.

3. OPERATING

Once the Amphenol MS-156 RG316 cable is properly connected, it functions as a passive conduit for RF signals. Its operation is dependent on the devices it connects. Ensure that the devices are powered on and configured correctly according to their respective manuals.

- **Signal Transmission:** The cable will transmit RF signals between the connected devices.
- **Testing and Measurement:** When used as a test probe, ensure the cable is connected to appropriate test equipment and the device under test.
- **Environmental Considerations:** The cable is suitable for both indoor and outdoor use. However, avoid exposing connectors to excessive moisture or extreme temperatures to prevent signal degradation or damage.

4. MAINTENANCE

Proper maintenance will extend the lifespan and ensure the consistent performance of your Amphenol MS-156 RG316 cable.

- **Cable Handling:** Avoid sharp bends, kinks, or excessive pulling on the cable, as this can damage the internal conductor and shielding, leading to signal loss.
 - **Connector Care:** Keep the connectors clean and free from dust, dirt, or moisture. Use a clean, dry, lint-free cloth to gently wipe the connector surfaces if necessary. Avoid using abrasive materials or harsh chemicals.
 - **Storage:** When not in use, store the cable coiled loosely in a dry, cool environment, away from direct sunlight and extreme temperatures. Avoid placing heavy objects on the cable.
 - **Inspection:** Periodically inspect the cable and connectors for any signs of wear, damage, or corrosion. Replace the cable if any damage is observed.
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5. TROUBLESHOOTING

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

- **No Signal or Intermittent Signal:**
 - **Check Connections:** Ensure both the MS-156 and SMA connectors are securely and correctly attached to their respective ports.
 - **Inspect Cable for Damage:** Look for any visible cuts, kinks, or severe bends in the cable jacket. Internal damage may not be visible but can cause signal loss.
 - **Clean Connectors:** Dust or debris on the connector pins can interfere with signal transmission. Gently clean the connectors as described in the Maintenance section.
 - **Test with Another Cable:** If possible, try using a known working cable to rule out issues with the devices themselves.
- **Poor Signal Quality:**
 - **Ensure Correct Cable Type:** Verify that an RG316 cable is appropriate for your application and frequency range.
 - **Minimize Interference:** Keep the cable away from sources of electromagnetic interference (EMI) such as power cables, motors, or other electronic devices.

If problems persist after following these steps, consult the manuals for your connected devices or seek professional assistance.

6. SPECIFICATIONS

Feature	Specification
Brand	Amphenol
Model	MS-156
Cable Type	RG-316
Recommended Uses	Testing and measuring RF signals
Connector Gender	Male-to-Male (MS-156 Plug Male to SMA Male Angle RA)
Length	15 cm (6 inches)
Color	Black
Indoor/Outdoor Usage	Indoor, Outdoor
Item Weight	0.01 Ounces

7. WARRANTY INFORMATION

Specific warranty details for the Amphenol MS-156 RG316 Coaxial Cable are not provided in the product

information available. For warranty inquiries, please refer to the retailer or manufacturer's official website where the product was purchased.

8. SUPPORT

For technical support or further assistance with your Amphenol MS-156 RG316 Coaxial Cable, please contact the vendor or manufacturer directly. Contact information is typically available on their official websites or through your purchase documentation.