



Ordering Information

MCX to MCX on Flexible Coax Cables

| Part Number | Description |
|-----------------|--|
| 095-900-545XXXX | MCX Straight Plug to MCX Straight Plug RG-174 50 Ohm |
| 095-900-546XXXX | MCX Right-Angle Plug to MCX Straight Plug RG-174 50 Ohm |
| 095-900-547XXXX | MCX Right-Angle Plug to MCX Right-Angle Plug RG-174 50 Ohm |
| 095-900-551XXXX | MCX Right-Angle Plug to MCX Right-Angle Plug Belden 4855R 75 Ohm |

[View All MCX Cable Assemblies](#)

Note: 'XXXX' denotes length code. See available lengths in chart below.

Standard Lengths Available

| Length Code | Length in Inches (Millimeters) |
|-------------|--------------------------------|
| -006 | 6.00 in (152.40 mm) |
| -010 | 10.00 in (254 mm) |
| -012 | 12.00 in (305 mm) |
| -024 | 24.00 in (610 mm) |
| -036 | 36.00 in (914.40 mm) |
| -048 | 48.00 in (1219.20 mm) |
| M050 | 19.69 in (500 mm) |
| M100 | 39.37 in (1000 mm) |
| M200 | 196.85 in (5000 mm) |

Overview

Amphenol RF offers a full line of high-performance MCX cable assemblies on a variety of small flexible cable types. These assemblies are available with plug to plug configurations in an extensive range of standard lengths from six inches to three meters, and with 50 and 75 ohm options. MCX cable assemblies are suitable for a number of applications including broadcast video, broadband connectivity and external antennas.

The MCX connector series is a robust micro-miniature interface with broadband capabilities of DC to 6 GHz and secure, fast and easy snap-on/snap-off coupling. 75 ohm products have been optimized to perform to 12 GHz for 4K and ultra-HD broadcast applications. These connectors are manufactured from brass with gold plating and offer reliable electrical performance up to the limits of the cable type. Their small size paired with the flexible cable types make them an ideal choice for compact applications.

Features and Benefits

- Broadband performance with low reflections
- Quick connect/disconnect snap-on mating
- Micro-miniature package size
- Conforms to the European CECC 22000 specs

Applications

- Broadcast Equipment
- Broadband Modules
- Wi-Fi Access Points
- GPS Units
- Wireless Network Antennas

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

Amphenol® RF

Technical Specifications (Connectors)

Electrical

| | | | |
|---------------------------------|------------|-------------------------------------|------------------------------|
| Impedance | | 50Ω | 75Ω |
| Frequency Range | | DC - 6 GHz (18 GHz on 12G Products) | |
| Voltage Rating | | 225 Volts RMS Max Continuous | 170 Volts RMS Max Continuous |
| Dielectric Withstanding Voltage | | 1000 VRMS Max | 500 VRMS Max |
| VSWR (Return Loss) | DC - 6 GHz | 1.3 (-18 dB) Max | 1.22 (-20 dB) Max |
| | 6 - 12 GHz | | 1.43 (-15 dB) Max |
| Insulation Resistance | | 10000 MΩ Min | |
| Center Contact Resistance | | 5 mΩ Min | |
| Outer Contact Resistance | | 1 mΩ Min | 2.5 mΩ Min |
| RF Leakage | | -60 dB Max @ 1 GHz | |
| Insertion Loss | | 0.10 dB Max @ 1 GHz | |

Environmental

| | | | |
|-------------------|--|-----------------------------|--|
| Temperature Range | | -65°C to +165°C | |
| RoHS Compliance | | Compliant with Exemption 6C | |

Mechanical

| | | | |
|--------------------|--|---------|--|
| Mating Cycles | | 500 Min | |
| Coupling Mechanism | | Push-On | |

Materials

| | | | |
|-----------|--|--|--|
| Body | | Brass or Beryllium Copper, Gold or Nickel Plated | |
| Contact | | Brass, Gold Plated | |
| Insulator | | PTFE, Natural | |

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100