

Amphenol® RF MCX CABLE ASSEMBLIES FOR WIRELESS MODULES

Between-Series Board-to-Panel Configurations on RG-316



Overview

Amphenol RF offers MCX straight and right-angle plug configurations that feature rugged IP67 bulkhead SMA, RP-SMA, TNC, RP-TNC and N-Type straight jacks. These assemblies are designed on flexible RG-316 cable which provides high heat resistance, durability and low signal loss, and is ideal for high-frequency RF applications.

These between-series assemblies allow a cable to be connected from outside of a panel where a threaded interface is located. They are specifically designed for wireless communication modules with MCX connectors in the board. The combination of MCX and more robust connectors offers a variety of options for usage. The connectors that are on the outside of the panel are sealed to prevent temporary ingress of water and other fluids. This eliminates the risk of the system being compromised due to external elements.

Features and Benefits

- Reliable electrical performance up to 6 GHz
- Ideal for short-distance, low frequency RF applications
- IP67-rated connector options
- Secure panel-mount configurations

Applications

- Portable IoT Devices
- Drones
- GPS/GNSS
- Wi-Fi
- Agriculture & Construction Vehicles
- Industrial & Mining Equipment

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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

Ordering Information

MCX Plug to IP67 SMA Straight Bulkhead Jack

Part Number	Description
095-900-587-XXX	MCX Straight Plug to IP67 SMA Straight Bulkhead Jack
095-900-588-XXX	MCX Right-Angle Plug to IP67 SMA Straight Bulkhead Jack

MCX Plug to IP67 TNC Straight Bulkhead Jack

Part Number	Description
095-900-591-XXX	MCX Straight Plug to IP67 TNC Straight Bulkhead Jack
095-900-592-XXX	MCX Right-Angle Plug to IP67 TNC Straight Bulkhead Jack
095-900-593-XXX	MCX Straight Plug to IP67 RP-TNC Straight Bulkhead Jack
095-900-594-XXX	MCX Right-Angle Plug to IP67 RP-TNC Straight Bulkhead Jack

MCX Plug to IP67 N-Type Straight Bulkhead Jack

Part Number	Description
095-900-595-XXX	MCX Straight Plug to IP67 N-Type Straight Bulkhead Jack
095-900-596-XXX	MCX Right-Angle Plug to IP67 N-Type Straight Bulkhead Jack

Note: '-XXX' denotes length code. See chart below for available lengths.

Standard Lengths Available

Length Code	Length in Inches
-003	3"
-004	4"
-005	5"
-006	6"
-007	7"
-008	8"
-009	9"
-010	10"
-011	11"
-012	12"
-018	18"
-024	24"
-036	36"
M100	39.37" (1 Meter)
-048	48"

Contact Amphenol RF for custom lengths.

Amphenol® RF

Technical Specifications

Electrical

Impedance	50Ω
Frequency Range	DC – 6 GHz
Dielectric Withstanding Voltage	700 VRMS Min

Environmental

Temperature Range	-40°C to +80°C
RoHS Compliance	Compliant with Exemption 6C

Mechanical

Coupling Mechanism	Snap-On/Threaded
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Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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