



### Overview

Amphenol RF offers pre-configured FAKRA to AMC cable assemblies which combine the automotive industry standard FAKRA connector with the ultraminiature AMC connector on flexible RG-178 micro-coax cable. The combination allows for easy connect and disconnect, and is ideal for automotive and IoT designs that have space constraints.

The FAKRA rear-mount bulkhead connector is IP67-rated for added protection against water and dust ingress, and is mechanically keyed and color-coded to prevent mismatching during the installation process. The AMC connector features a low profile and an extremely small board footprint. These connectors can be terminated to any other AMC or similarly keyed FAKRA.

This assembly is designed on flexible RG-178 cable which allows for easy routing around obstacles and provides excellent signal integrity.

### Features and Benefits

- Reliable electrical performance up to 3 GHz
- IP67-rated FAKRA connector
- Secure panel-mount configuration
- Universally keyed

### Applications

- Autonomous vehicle systems
- Telematics
- Infotainment
- Advanced Driver Assistance Systems (ADAS)
- Industrial and outdoor RF systems
- Compact embedded RF modules

### Amphenol RF

Four Old Newtown Road  
Danbury, CT 06810

For more information visit [www.amphenolrf.com](http://www.amphenolrf.com)  
or call 800.627.7100

### Ordering Information

#### IP67 FAKRA Rear-Mount Bulkhead Plug to AMC Plug on RG-178

Part Number	Description	Length
095-820-253-05Y	IP67 FAKRA Straight Bulkhead Plug to AMC Right-Angle Plug	50 mm
095-820-253-10Y	IP67 FAKRA Straight Bulkhead Plug to AMC Right-Angle Plug	100 mm
095-820-253-15Y	IP67 FAKRA Straight Bulkhead Plug to AMC Right-Angle Plug	150 mm
095-820-253-20Y	IP67 FAKRA Straight Bulkhead Plug to AMC Right-Angle Plug	200 mm
095-820-253-25Y	IP67 FAKRA Straight Bulkhead Plug to AMC Right-Angle Plug	250 mm
095-820-253-30Y	IP67 FAKRA Straight Bulkhead Plug to AMC Right-Angle Plug	300 mm

*Note: "Y" denotes key code. See component drawing for available FAKRA key codes.  
Contact Amphenol RF for custom lengths.*

# Amphenol<sup>®</sup> RF

## Technical Specifications

### Electrical

Impedance	50Ω
Frequency Range	DC – 3 GHz
Dielectric Withstanding Voltage	200 VRMS Min

### Environmental

Temperature Range	-55°C to +160°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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