

Overview

Amphenol RF offers a fixed length FAKRA to AMC cable assembly which combines the automotive industry standard FAKRA connector with the micro-miniature AMC connector on the ultra-flexible 1.37 mm coax cable. This combination allows for easy connect and disconnect and is ideal for automotive and IoT applications that require compact infrastructure.

The FAKRA connector offers color coding and available keying to prevent mis-mating during the installation process, while the AMC connector features a low profile and an extremely small board footprint. The connectors can be terminated with any other AMC or similarly keyed FAKRA, respectively, and are IP67 rated when mounted for protection in case of temporary submersion.

Automotive applications include dedicated short range communication (DSRC) such as V2X and V2V technology, 360-degree cameras, and advanced driver assistance systems like rear/backup cameras. Within the IoT ecosystem, this cable assembly offers space saving solutions that make it a great option for back panels, smart boxes or modules, and remote control access, as well as, high volume cable harnesses and large multi-connector panels.

Features and Benefits

- Ideal for compact infrastructure
- Sealed when mounted
- Universally keyed

Applications

- Dedicated Short Range Communication (DSRC)
 - V2X
 - V2V
- 360-Degree Cameras
- Advanced Driver Assistance Systems (ADAS)
- Back Panels
- Smart Boxes/Modules
- Remote Control Access
- High-Volume Cable Harnesses
- Multi-Connector Panels



Ordering Information

FAKRA Bulkhead Straight Plug to AMC Right Angle Plug on 1.37mm Micro Cable

Part Number	Cable Length
095-820-109-05Z	50 mm
095-820-109-10Z	100 mm
095-820-109-15Z	150 mm
095-820-109-20Z	200 mm
095-820-109-25Z	250 mm
095-820-109-30Z	300 mm

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

Electrical		FAKRA	AMC
Impedance			50 Ω
Frequency Range			DC - 6 GHz
VSWR	DC - 2 GHz		1.3 Max
	3 - 6 GHz	1.5 Max	1.4 Max
Dielectric Withstanding Voltage			200 VRMS

Mechanical		
Mating Cycles	100 Min.	30 Min.

Environmental		
Temperature Range	-40°C to +105°C	-40°C to + 90°C
RoHS	Compliant with exemption 6C	

Materials		
Body	Zinc Alloy, Nickel Plating	Phosphor Bronze, Silver Plating
Contact	Beryllium Copper, Gold Plating	Phosphor Bronze, Gold Plating

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