



Overview

Amphenol RF offers locking cable assemblies with configurations utilizing high-frequency FAKRA connectors. The secure locking feature of the locking connector makes these cable assemblies require significant force to de-mate. This feature makes them ideal for demanding applications that are subject to constant motion or vibrations. These assemblies support frequencies of up to 6 GHz.

The FAKRA connector on the assembly allows for easy mating and de-mating and is available with the universal Z key code, ensuring comprehensive compatibility. MHF I LK locking connectors are made from phosphor bronze with gold plating, ensuring resistance to harsh environments. The housing of the FAKRA connector is designed from lightweight plastic and the body is zinc alloy with nickel plating. The contact pin is made from beryllium copper with gold plating.

They are available in pre-configured lengths of 50 mm to 400 mm. Custom lengths are available upon request.

Features and Benefits

- Reliable electrical performance up to 6 GHz
- Ideal for continuous shock and vibration applications
- Easily routable cable
- Universal Z key code

Applications

- Drones
- Smart Cabins
- ADAS
- Driver Monitoring
- RFID

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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

Ordering Information

Part Number	Description
095-820-247-050	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 50 mm
095-820-247-100	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 100 mm
095-820-247-150	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 150 mm
095-820-247-200	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 200 mm
095-820-247-250	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 250 mm
095-820-247-300	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 300 mm
095-820-247-350	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 350 mm
095-820-247-400	FAKRA Straight Bulkhead Plug to MHF I LK, 1.37 mm cable, 400 mm



Amphenol® RF

Technical Specifications

Electrical

Impedance	50Ω
Frequency Range	DC - 6 GHz

Environmental

RoHS Compliance	Compliant with Exemption 6C
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Mechanical

	FAKRA	MHF I LK
Mating Cycles	500	30
Coupling Mechanism	Push-on	Push-on

Materials

	FAKRA	MHF I LK
Body	Zinc Alloy, Nickel Plating	Phosphor Bronze, Gold Plating
Contact	Brass, Beryllium Copper, Gold Plating	Phosphor Bronze, Silver Plating

*Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.
MHF I LK is a trademark of IPEX Inc.*

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