



FAKRA Cable Assemblies

Fixed Length Assemblies on RG-58 and RG-174 Cable

Overview

Amphenol RF offers fixed length FAKRA assemblies featuring the popular RG-58 and RG-174 flexible cables. These cable assemblies feature a variety of connector configurations and are available in a number of standard length options from 12 inches to five meters which makes them ideal for a wide range of automotive development applications.

These cable assemblies utilize industry standard FAKRA connectors which are mechanically keyed and color coded to avoid mismatching during the installation process. The high performance connectors support frequency rates through 3 GHz. The assemblies are manufactured with state of the art termination equipment, first to cut and strip the cable, then to securely terminate connectors to each end of the cable. Each FAKRA cable is individually tested to ensure the highest quality standards.

Features and Benefits

- Universally keyed Z code connectors
- High-frequency transmission up to 3 GHz
- No additional tooling required
- Male and female connector options available
- Standard lengths from 12 inches to 5 meters
- 100% continuity tested

Applications

- 360-Degree Cameras
- Autonomous Vehicles
- Advanced Driver Assistance Systems (ADAS)
- Automotive Infotainment
- Remote Start
- Bluetooth
- Radio Antenna
- Global Positioning System (GPS)

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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

Ordering Information

RG-58 FAKRA Cable Assemblies

Part Number	Configuration
095FJZFJZAGxxxx	FAKRA Straight Jack to FAKRA Right Angle Jack
095FJZFJZSGxxxx	FAKRA Straight Jack to FAKRA Straight Jack
095FJZFPZAGxxxx	FAKRA Straight Plug to FAKRA Right Angle Jack
095FPZFJZSGxxxx	FAKRA Straight Plug to FAKRA Straight Jack
095FPZFPZSGxxxx	FAKRA Straight Plug to FAKRA Straight Plug

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

RG-174 FAKRA Cable Assemblies

Part Number	Configuration
095FJZFJZAHXXXX	FAKRA Straight Jack to FAKRA Right Angle Jack
095FJZFJZSHXXXX	FAKRA Straight Jack to FAKRA Straight Jack
095FJZFPZAHXXXX	FAKRA Straight Plug to FAKRA Right Angle Jack
095FPZFJZSHXXXX	FAKRA Straight Plug to FAKRA Straight Jack
095FPZFPZSHXXXX	FAKRA Straight Plug to FAKRA Straight Plug

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

Available Lengths

Length Code	Length in Inches (Millimeters)
-012	12.00 in (305 mm)
-024	24.00 in (610 mm)
M100	39.37 in (1000 mm)
M500	196.85 in (5000 mm)

Amphenol® RF

Technical Specifications (Connectors)

Electrical

Impedance	50 Ω
Frequency Range	DC - 3 GHz
Dielectric Withstanding Voltage	800 VRMS Min.

Mechanical

Mating Cycles	100 Min.
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Environmental

Temperature Range	-40°C to 85°C
RoHS	Compliant with exemption 6C

Materials

Body	Zinc Diecast, Tin or Nickel Plating
Insulator	PTFE, Natural
Contact	Phosphor Bronze (Straight) or Beryllium Copper (Right Angle); Tin and Nickel Plating
Ferrule	Copper, Nickel Plating
Housing	PPE+PS

Note: Technical specifications are typical and may vary by specific part number of design. See component drawing for additional details.

Consult factory for OEM specification compliance.

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