



## Overview

Amphenol RF offers fixed length FAKRA assemblies featuring the automotive standard TFC 302LL cable type. These cable assemblies feature a variety of connector configurations and are available in a number of length options from 6 inches to three meters which make them ideal for a wide range of automotive and industrial 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 6 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 of the cables. Each FAKRA cable assembly is individually tested to ensure the highest quality standards.

## Features and Benefits

- Universally keyed Z code connectors
- High-frequency transmission up to 6 GHz
- No additional tooling required
- Male and female connector options available
- Standard lengths from 6 inches to 3 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](http://www.amphenolrf.com)  
or call 800.627.7100

## FAKRA Cable Assemblies

### Fixed Length Assemblies on TFC 302LL Cable

#### Ordering Information

##### FAKRA Cable Assemblies

Part Number	Description
095-820-244-XXX	FAKRA Straight Jack IP67 to FAKRA Straight Jack IP67, Z Code
095-820-245-XXX	FAKRA Straight Jack IP67 to FAKRA Straight Plug, Z Code
095-820-246-XXX	FAKRA Straight Plug to FAKRA Straight Plug, Z code

#### Available Lengths

Length Code	Length in Inches (Millimeters)
-006	6.00 in (152.4 mm)
-012	12.00 in (305 mm)
-018	18.00 in (457.2 mm)
-024	24.00 in (609.6 mm)
-036	36.00 in (914.4 mm)
M100	39.37 in (1000 mm)
M200	78.74 in (2000 mm)
M300	118.11 in (3000 mm)

# Amphenol® RF

## Technical Specifications

### Electrical

Impedance	50Ω
Frequency Range	DC - 6 GHZ
Dielectric Withstanding Voltage	800 VRMS Max

### Environmental

Temperature Range	-40°C to +85°C
RoHS Compliance	Compliant with Exemption 6C

### Mechanical

Mating Cycles	500 Min
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### Materials

Body	Zinc Diecast, Matte Tin Plating
Insulator	PTFE, Natural
Contact	Phosphor Bronze, Gold Plating
Ferrule	Copper, Nickel Plating
Housing	PPE+PS

*Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.*

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