

## MINI-FAKRA TYPE A BREAKOUT CABLES

50 Ohm Multi-Port Cable Assemblies on Low Loss Cable

### Overview

Amphenol RF offers AUTOMATE Type A Mini-FAKRA quad-port jack to (4) SMA plugs or jacks breakout cables designed on highly flexible TFC-302LL cable. These assemblies feature the automotive industry-standard snap-on interface on one end and a secure threaded coupling mechanism on the other. This pre-configured assembly is well-suited for camera and other high-bandwidth applications in the automotive and industrial space. As a standard off-the-shelf solution is ideal for lab use and in the early stages of product development.

The AUTOMATE Mini-FAKRA is designed with compact, modular housing and a quad-port configuration. It provides a space savings of up to 80% compared with traditional FAKRA connectors. The universal Z color coding and mechanical keying allows it to be intermateable with all other key codes. This assembly offers high-performance up to 9 GHz with secure and easy mating and unmating.

### Features and Benefits

- Compact, modular housing
- Multi-port configuration
- Low loss and flexible cable type
- Universally keyed Z code
- Saves installation space by up to 80%
- Low engagement and dis-engagement forces

### Applications

- 360-degree cameras
- Antennas
- Handheld devices
- Wireless Infrastructure
- Automotive
- Advanced Driver Assistance Systems (ADAS)
- GPS
- Test & Measurement
- Drones

### Ordering Information

#### AUTOMATE Mini-FAKRA to (4) SMA Straight Plug on TFC-302LL



| Part Number      | Description                                                           |
|------------------|-----------------------------------------------------------------------|
| 095-820-175-006  | AUTOMATE Type A Mini-FAKRA Quad-Port to 4 SMA Straight Plug, 6 inches |
| 095-820-175-M100 | AUTOMATE Type A Mini-FAKRA Quad-Port to 4 SMA Straight Plug, 1 meter  |



#### AUTOMATE Mini-FAKRA to (4) SMA Straight Jack on TFC-302LL

| Part Number      | Description                                                           |
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### Amphenol RF

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

# Amphenol® RF

## Technical Specifications

### Electrical

|                 |             |
|-----------------|-------------|
| Impedance       | 50 $\Omega$ |
| Frequency Range | DC - 9 GHz  |

### Mechanical

|               |                 |
|---------------|-----------------|
| Mating Cycles | 500 Cycles Min. |
|---------------|-----------------|

### Environmental

|      |                             |
|------|-----------------------------|
| RoHS | Compliant with exemption 6C |
|------|-----------------------------|

### Materials

|                | AUTOMATE Type A Mini-FAKRA                | SMA                           |
|----------------|-------------------------------------------|-------------------------------|
| Body           | Copper Nickel Alloy with Matte Tin Finish | Nickel Plated, Brass          |
| Female Contact | Gold Plated, Copper Nickel Alloy          | Gold Plated, Beryllium Copper |
| Male Contact   | -                                         | Gold Plated, Brass            |
| Insulator      | PPE + PS                                  | -                             |

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

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