

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

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

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
095-820-176-006	AUTOMATE Type A Mini-FAKRA Quad-Port to 4 SMA Straight Jack, 6 inches
095-820-176-M100	AUTOMATE Type A Mini-FAKRA Quad-Port to 4 SMA Straight Jack, 1 meter

Amphenol® RF

Technical Specifications

Electrical

Impedance	50 Ω
Frequency Range	DC - 9 GHz

Mechanical

Mating Cycles	500 Cycles Min.
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Environmental

RoHS	Compliant with exemption 6C
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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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