

TYPE A MINI-FAKRA CABLE ASSEMBLIES

Pre-Configured 50 Ohm Multi-Port Assemblies on Low Loss Cable



Ordering Information

AUTOMATE Mini-FAKRA Jack to Jack on TFC-302LL

Part Number	Description
095-820-182XXXX	AUTOMATE Type A Mini-FAKRA Quad-Port Jack to Jack

Overview

Amphenol RF offers AUTOMATE Type A Mini-FAKRA jack to jack cables designed on highly flexible TFC-302LL and RG-174 cable. These assemblies feature the automotive industry standard snap-on interface for secure mating and provide an end-to-end solution for designs. This preconfigured assembly is well suited for camera and other high-bandwidth applications in the automotive and industrial space.

The AUTOMATE Mini-FAKRA is designed with compact, modular housing in single, dual and quad port configurations. 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 20 Gbps data transfer rates.

Features and Benefits

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

Applications

- 360-degree cameras
- Industrial
- Autonomous vehicles
- Advanced Driver Assistance Systems (ADAS)
- GPS navigation
- High bandwidth infotainment
- ECUs and Compute modules

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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

AUTOMATE Mini-FAKRA Jack to Jack on RG-174

Part Number	Description
095-820-210XXXX	AUTOMATE Type A Mini-FAKRA Single-Port Jack to Jack
095-820-211XXXX	AUTOMATE Type A Mini-FAKRA Dual-Port Jack to Jack
095-820-212XXXX	AUTOMATE Type A Mini-FAKRA Quad-Port Jack to Jack

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

Standard Lengths Available

Length Code	Length in Meters (Inches)
-006	0.1524 M (6.00 in)
-012	0.3048 M (12.00 in)
-018	0.4572 M (18.00 in)
-024	0.6096 M (24.00 in)
-036	0.9144 M (36.00 in)
M100	1.00 M (39.370 in)
M200	2.00 M (78.740 in)
M300	3.00 M (118.110 in)
M500	5.00 M (196.850 in)
M700	7.00 M (275.591 in)
M900	9.00 M (354.331 in)
M12L	12.0 M (472.441 in)

Amphenol® RF

Technical Specifications

Electrical

Impedance	50 Ω
Frequency Range	DC - 9 GHz

Mechanical

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

Environmental

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

Materials

Body	Copper Nickel Alloy, Matte Tin Finish
Female Contact	Copper Nickel Alloy, Gold Plated
Insulator	PPE + PS

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

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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