



Overview

Amphenol RF offers SMA straight plug to straight plug cables assemblies designed to offer a low loss solutions for high vibration applications. These robust assemblies feature industry-standard TFC 302LL cable and provide reliable RF performance up to 12 GHz. SMA extension cables are available in lengths from 1 to 15 meters which makes them ideal for conditions that demand both flexibility and signal integrity.

These assemblies are engineered using SMA connectors with threaded mating which creates a secure connection cable of withstanding constant movement and harsh environmental conditions.

Features and Benefits

- Designed on low loss TFC 302LL cable
- Reliable electrical performance up to 12 GHz
- Secure threaded coupling mechanism
- Available in extended lengths from 1 – 15 meters

Applications

- Automotive telematics & ADAS antenna extensions
- In-vehicle infotainment (Wi-Fi, LTE, GPS) harnesses
- Test & measurement lab jumpers
- Industrial IoT gateways & routers
- Low loss RF prototyping & device validation

Amphenol RF
Four Old Newtown Road
Danbury, CT 06810

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

Ordering Information

SMA Straight Plug to SMA Straight Plug on TFC 302LL

Part Number	Description
095-902-597M100	SMA Straight Plug to SMA Straight Plug, TFC 302LL, 1 Meter
095-902-597M300	SMA Straight Plug to SMA Straight Plug, TFC 302LL, 3 Meter
095-902-597M500	SMA Straight Plug to SMA Straight Plug, TFC 302LL, 5 Meter
095-902-597M700	SMA Straight Plug to SMA Straight Plug, TFC 302LL, 7 Meter
095-902-597M900	SMA Straight Plug to SMA Straight Plug, TFC 302LL, 9 Meter
095-902-597M12L	SMA Straight Plug to SMA Straight Plug, TFC 302LL, 12 Meter
095-902-597M15L	SMA Straight Plug to SMA Straight Plug, TFC 302LL, 15 Meter

Amphenol® RF

Technical Specifications

Electrical

Impedance	50Ω
Frequency Range	DC - 12 GHz
Dielectric Withstanding Voltage	750 VRMS Min

Environmental

Temperature Range	-40°C to +105°C
RoHS Compliance	Compliant with Exemption 6C

Mechanical

Mating Cycles	500 Min
Coupling Mechanism	Threaded

Materials

Body	Brass, Nickel Plating
Contact	Brass, Gold Plating
Insulator	PTFE, Natural

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

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