

Overview

Amphenol RF offers a line of SMA fixed length cable assemblies on LMR-195 and LMR-240 cables. This full Amphenol solution combines precision machined Amphenol RF SMA connectors with high performing LMR cables developed by Times Microwave, an Amphenol company. These pre-configured cable assemblies are designed to offer a lower loss option with superior electrical performance to standard cables.

The LMR Cable Assemblies operate between DC to 6 GHz and are ideal for wireless communications systems and high performing applications such as base stations, antennas, and other telecommunication devices. The cable is constructed with a black polyethylene jacket, closed cell foam poly dielectric, and bonded tape conductor. All of these components work together to make the LMR cable more rugged compared to other braided cables. The 50 Ohm SMA connectors feature brass construction with gold plating.

These new assemblies are offered in straight plug to straight plug, straight plug to right-angle plug, straight plug to bulkhead jack and right-angle to right-angle plug configurations. They are also available in standard imperial lengths of 6, 12, 18, 24, 36, and 48 inches, along with metric lengths of 0.25, 0.50, 0.75, and 1 meter. Custom lengths are available upon request.

Features and Benefits

- RF Performance DC to 6 GHz
- Lower loss option with superior performance
- More rugged than other braided cables

Applications

- Cellular/Broadband Amplifiers
- Microwave Filters
- Wireless Infrastructure
- Remote Sensing and Metering
- GPS Antennas
- Radar Systems
- High Speed Routers and Switches
- Automated Test Equipment
- RFID

Amphenol RF

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



Ordering Information

SMA Cable Assemblies on LMR-195 Cable

Part Number	Description
095-902-475xxxx	SMA Straight Plug to SMA Straight Plug
095-902-476xxxx	SMA Right Angle Plug to SMA Straight Plug
095-902-477xxxx	SMA Bulkhead Jack to SMA Straight Plug
095-902-478xxxx	SMA Right Angle Plug to SMA Right Angle Plug

*XXXX denotes length code. See standard length options.

SMA Cable Assemblies on LMR-240 Cable

Part Number	Description
095-902-479xxxx	SMA Straight Plug to SMA Straight Plug
095-902-480xxxx	SMA Right Angle Plug to SMA Straight Plug
095-902-481xxxx	SMA Bulkhead Jack to SMA Straight Plug
095-902-482xxxx	SMA Right Angle Plug to SMA Right Angle Plug

*XXXX denotes length code. See standard length options.

Standard Lengths Available

Length Code	Length (in)	Length (mm)
-006	6.00	152
M025	9.84	250
-012	12.00	305
-018	18.00	457
M050	19.69	500
-024	24.00	610
M075	29.53	750
-036	36.00	914
M100	39.37	1000
-048	48.00	1219

LMR® is a registered trademark of Times Microwave.

Amphenol® RF

Technical Specifications

Electrical

Impedance	50 Ω
Frequency Range	DC - 6 GHz

Mechanical

Mating Cycles	500 min.	
Minimum Bend Radius		
	LMR-195	2.0 in.
	LMR-240	2.5 in.

Environmental

Temperature Range	-40°C to +90°C
RoHS	Compliant with exemption 6C

Materials and Finishes

Connector Body	Brass, Gold Plating
Female Contact	Beryllium Copper, Gold Plating
Male Contact	Brass, Gold Plating
Insulator	PTFE