MobileMark
antenna solutions

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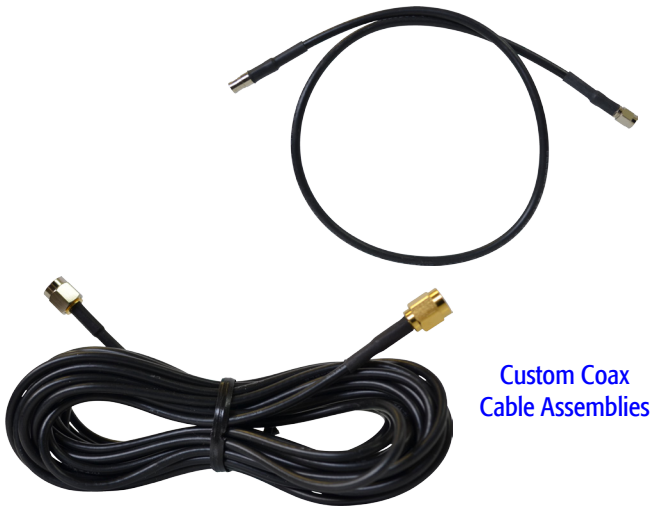

Custom Coax Cable Assemblies

Cable Assemblies & Connectors

- Custom RF cable assemblies built to order
- Variety of styles & connectors available
- Provides extension capability to standard antennas configurations
- Quality low loss cable

Mobile Mark manufactures custom cable assemblies. All standard cable assemblies/ connectors are 50 Ohm. Standard production lead times are typically 2 weeks. Longer lead times may apply to some.

RG-174 (8216) is a very small (approx. 0.1"/2.5 mm) flexible cable best suited for mobile/portable applications up to 1900 MHz. It can be used in short runs up to 2.7 GHz. For miniature sized connectors it has the widest options available.

LMR-100A is the low loss alternative for RG-174. It has the same size diameter (0.1 inch or 2.5 mm) and can be used with the same range of connectors. The cable is well shielded but is still flexible and easy to handle.

RG-58 (8240) is the work horse cable and is suitable for applications up to 2.7 GHz. It is best suited for cable runs under approximately 20ft (6 meters).

RF-195 (7806R) is the same size cable as RG-58, and uses the same size connectors, with the added feature of lower cable losses. RF-195 would be suitable for cable runs over 15 ft (4.5 meters) or in high frequency applications up to 6 GHz. This is our standard cable for applications above 2.5 GHz.

LMR-195FR is a non-halogen (non-toxic), low smoke, fire retardant cable. It has the same diameter as RF-195, can be fitted with the same variety of connectors, and has the same cable loss.

LMR-240 is a lower loss cable than RF-195 and best suited for longer cable runs from 20 ft - 50 ft (6 meters - 15 meters) as well as for higher frequency applications up to 6 GHz or more.

LMR-400 is suitable for long runs & higher frequency applications. Approximately 0.405" diameter (10 mm), it might be too large for some mobile installs, but is perfect for every base station transmitter or access point. Longer lead times may apply.

LMR-600 is the lowest loss cable we offer. It is a premium low loss cable. It is suitable for base station installations where the antenna may be mounted on a tower with long runs of cable.

Model Configurator

CA[ ]/[ ]-[ ]

- Cable Length in Inches
- Cable Type
- End Connector 1
- End Connector 2

Example: CA120/195-CC

Cable Options:		Connector Options:	
Code	Cable	Code	Connector
174	RG-174	C	SMA Plug
100	LMR-100A	V	SMA Jack
58	RG-58	X	N Plug
195	RF-195	Y	N Jack
195FR	LMR-195FR	A	TNC JPlug
240	LMR-240	W	TNC Jack
400	LMR-400		
600	LMR-600		

(Other Configurations available.)

Cable Type	Loss Per ft. at 900 MHz	Loss Per ft. at 2000 MHz	Loss Per ft. at 2500 MHz	Loss Per ft. at 5000 MHz
RG-174	0.32 dB	0.49 dB	0.55 dB	NR
LMR-100A	0.22 dB	0.30 dB	0.39 dB	0.50 dB
RG-58	0.14 dB	0.21 dB	0.24 dB	0.43 dB
RF-195	0.10 dB	0.15 dB	0.17 dB	0.25 dB
LMR-195FR	0.10 dB	0.15 dB	0.17 dB	0.25 dB
LMR-240	0.07 dB	0.10 dB	0.12 dB	0.17 dB
LMR-400	0.04 dB	0.06 dB	0.07 dB	0.12 dB
LMR-600	<.01 dB	<.01 dB	<.01 dB	0.10 dB

Note: Loss per ft is equivalent to loss per 30 cm.