

CABLE ASSEMBLIES & CONNECTORS

PRODUCT OVERVIEW

RG-174 is a very small (approx. 0.1" or 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. This Cable covers Cellular, WiFi, and most IoT applications.

LMR-100 is the low loss alternative for RG-174. It has the same size diameter and can be used with the same range of connectors. The cable is well shielded but is still flexible and easy to handle. This cable is double-shielded and suitable for outdoor/indoor use. It covers Cellular, WiFi, and most IoT applications.

RG-58 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).

LL-195 is the same size cable as RG-58, and uses the same size connectors, with the added feature of lower cable losses. Low Loss-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 LL-195, can be fitted with the same variety of connectors, and has the same cable loss.

LMR-240 is a lower loss cable than LL-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.

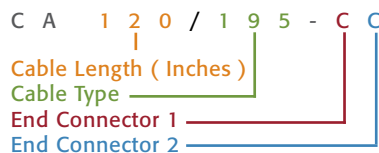
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CABLE LOSS PER FOOT (30 cm)				
Cable Type	900 MHz	2000 MHz	2500 MHz	5000 MHz
RG-174	0.32 dB	0.49 dB	0.55 dB	NR
LMR-100	0.22 dB	0.30 dB	0.39 dB	0.50 dB
RG-58	0.14 dB	0.21 dB	0.24 dB	0.43 dB
LL-195	0.10 dB	0.15 dB	0.17 dB	0.25 dB
LMR-195FR	0.10 dB	0.15 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




CUSTOM COAX CABLE ASSEMBLIES



CABLE OPTIONS		
Code	Cable	Diameter
174	RG-174	0.1" (2.5 mm)
100	LMR-100	0.1" (2.5 mm)
58	RG-58	0.2" (5 mm)
195	LL-195	0.2" (5 mm)
195FR	LMR-195FR	0.1" (2.5 mm)
240	LMR-240	0.25" (6.3 mm)
400	LMR-400	0.405" (10 mm)
600	LMR-600	0.59" (15 mm)

CONNECTOR OPTIONS	
Code	Connector
C	SMA Plug
V	SMA Jack
X	N Plug (Male)
Y	N Jack (Female)
A	TNC J Plug
W	TNC Jack
J	Rev Pol SMA Plug

Other Configurations Available



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