



The RG174 Flexible cable with black PVC jacket offers users high quality, low cost flexible jumper cable. The stranded center conductor and PVC jacket give user excellent flexibility to bend the cable inside equipment. evissap offers its RG174 Flexible cable assemblies in a wide variety of connector configurations, RG174 Flexible cable assemblies are built using lead free solder in combination with state-of-the-art induction soldering techniques.

Features

- RG174 Low Loss Flexible
- MCX Male Straight and Female Straight connectors
- 100% VSWR test to 6 GHz
- 100% Hi-pot and continuity tests
- Standard delivery <21 days from order
- RoHS compliant per evissap RoHS statement

Overview

Impedance	50 ohms
Frequency Range	DC-6 GHz
Cable	RG174
Cable O.D.	.110" nominal

Configuration

Connector 1	MCX male straight Gold plated brass body
Connector 2	MCX female straight Gold plated brass body

Application

- WLL, GPS, WLAN
- Mobil Antennas
- Wireless Communication Sysytem

evissap Standards

When ordering, please specify cable assembly length in inches. Example: eP2018R-12.5 specifies a 12.5" long cable assembly. Label will have evissap P/N and Date Code. Shipment will include evissap's standard C of C. evissap web posted warranty and Terms and Conditions applies. FOB is evissap's San Jose, CA US facility

Connector options available for .085" cable

- * BNC ST and RT/A male, female and bulkhead
- * Type N ST and RT male, female and bulkhead
- * TNC ST and RT male, female and bulkhead
- * MCX ST and RT male, female and bulkhead

Electrical Specifications @ +25°C		Unit
Frequency range	DC-6	GHz
Maximum VSWR	1.35	:1
Cable Typical velocity of propagation	66	%

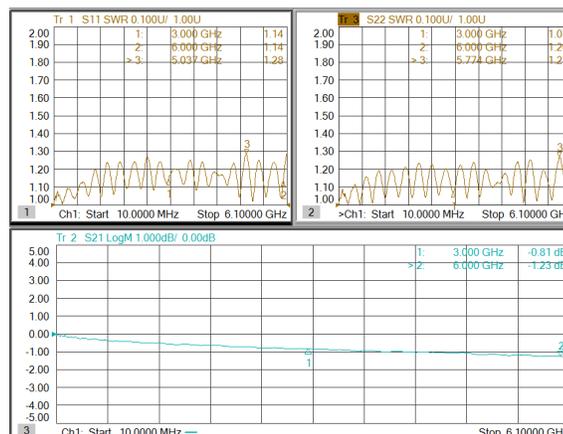
Typical Performance @+25°C	DC-2 GHz	2-4 GHz	4-6 GHz
VSWR (S11) (:1) typ. max.@ 12 in.	1.20	1.27	1.29
Insertion Loss (S21) (dB) typ. max. @12 in.	0.80	1.00	1.23

For any length (L in.), estimated insertion loss: $C + (S21 \text{ value above } C) * (L/12)$, Connector loss is $C = 2 * .03 \sqrt{f(\text{GHz})}$

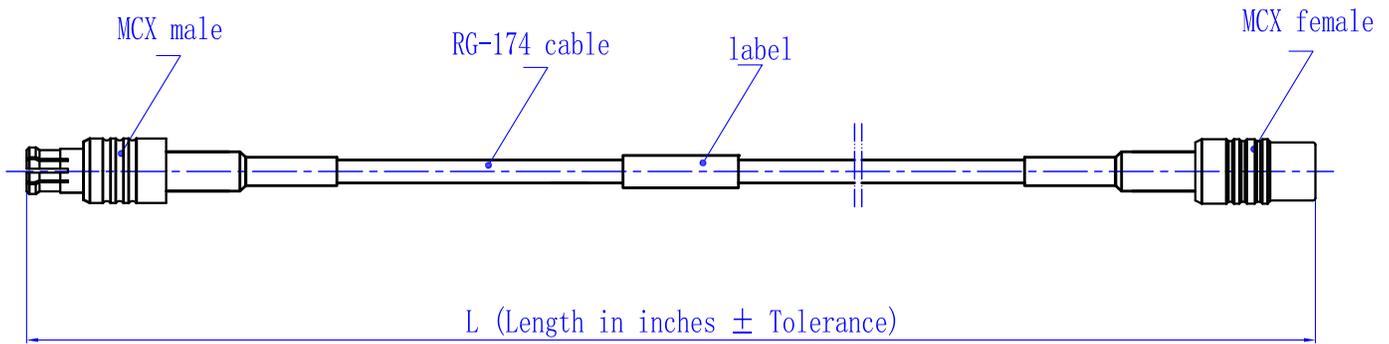
Bulk cable specifications	
Temperature range	-40 to +85° C
Cable Type	RG174
Cable outer diameter	.110" nominal
Inner conductor/finish	Stranded Tinned Copper
Dielectric type	Solid PE
Jacket material	Black PVC

Connector specifications	Connector 1	Connector 2
Connector Type	MCX	MCX
Configuration	Male Straight	Female Straight
Body hex size	N/A	N/A
Coupling nut hex size	N/A	N/A
Coupling nut material/finish	N/A	N/A
Connector body material/finish	Gold plated brass	Gold plated brass
Dielectric type	PTFE	PTFE

Typical performance data for 12" cable @+25°



Outline drawing



Standard length tolerance	
L (inches)	Tolerance (inches)
2.0 - 5.9	+/-0.125
6.0 - 11.9	+/-0.187
12.0 - 23.9	+/-0.250
24.0 - 35.9	+/-0.313
36.0 - 47.9	+/-0.375
48.0 - 59.9	+/-0.500
60.0 - 71.9	+/-0.563
72.0 - 83.9	+/-0.625
>83.9	Please contact evissaP

evissaP offers its eP-LL100 Flexible cable assemblies in a wide variety of connector configurations, eP-LL100 Flexible cable assemblies are built using lead free solder in combination with state-of-the art induction soldering techniques. If you cannot find the exact eP-formable cable assembly you require, please submit a request along with your requirement information.

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