



The RG316 Flexible cable with brown FEP jacket offers users high quality, low cost flexible jumper cable. The stranded center conductor and FEP jacket give user excellent flexibility to bend the cable inside equipment. evissap offers its RG316 Flexible cable assemblies in a wide variety of connector configurations, RG316 Flexible cable assemblies are built using lead free solder in combination with state-of-the-art induction soldering techniques.

Features

- RG316 Flexible
- SMA male RT/A and MCX male 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	RG316
Cable O.D.	.1" nominal

Configuration

Connector 1	SMA male RT/A Gold plated brass body
Connector 2	MCX male 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: eP1066R-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 Ters 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	69.5	%

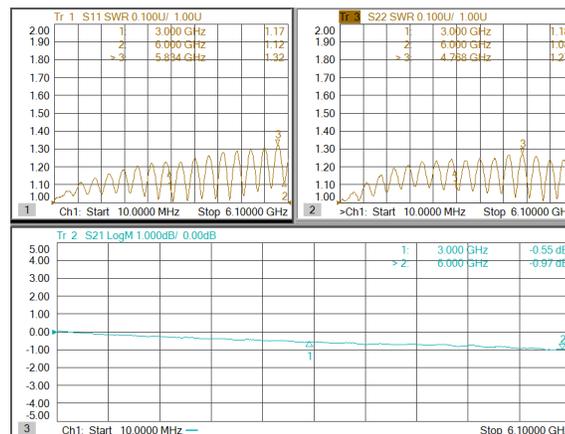
Typical Performance @+25°C	DC-2 GHz	2-4GHz	4-6GHz
VSWR (S11) (:1) typ. max.@ 12 in.	1.09	1.17	1.30
Insertion Loss (S21) (dB) typ. max. @12 in.	0.35	0.55	0.97

For any length (L in.), estimated insertion loss: C + (S21 value above-C) * (L/12) , Connector loss is C = 2 * .03 √f(GHz)

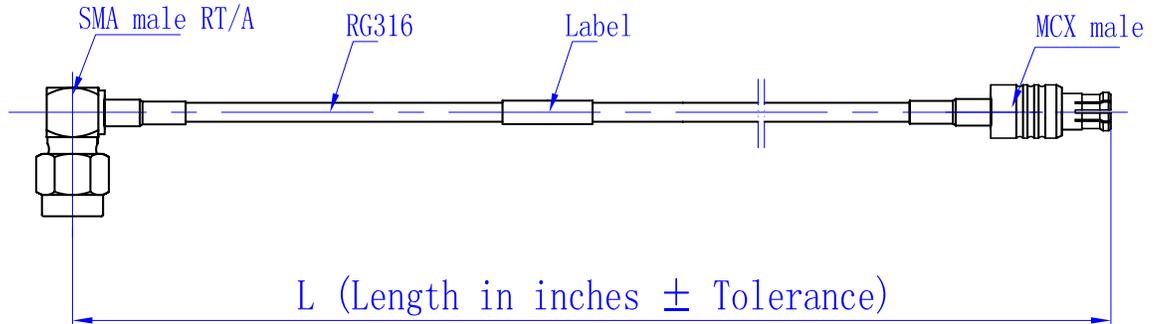
Bulk cable specifications	
Temperature range	-55 to +200° C
Cable Type	RG316
Cable outer diameter	.1" nominal
Inner conductor/finish	Silver-plated copper /Stranded
Dielectric type	PTFE
Jacket material	FEP

Connector specifications	Connector 1	Connector 2
Configuration	Male RT/A	Male
Connector Type	SMA	MCX
Body hex size	N/A	N/A
Coupling nut hex size	0.313"	N/A
Coupling nut material/finish	Au	N/A
Connector body material/finish	Au	Au
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 RG316 Flexible cable assemblies in a wide variety of connector configurations, RG316 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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