



The eP-Formable series offers users the ability to hand form cable assemblies to final shape. evissap offers its eP-Formable cable assemblies in a wide variety of connector configurations, cable diameters and 2 outer jacket options (tin braid and FEP). eP-Formable cable assemblies are built using lead free solder in combination with state-of-the-art induction soldering techniques

**Features**

- Hand bend to final shape
- SMA Male straight connectors
- 100% VSWR test to 18 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-18 GHz
Cable	RG-402 eP-Formable
Cable O.D.	.141" nominal

**Configuration**

Connector 1	SMA male
	Au-plated brass body Stainless steel coupling nut
Connector 2	SMA male
	Au-plated brass body Stainless steel coupling nut

**Application**

- Test equipment
- Rack systems
- Lab setups and testing

**evissap Standards**

When ordering, please specify cable assembly length in inches. Example: eP5122R-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
- \* 2.92mm male straight & Rt/A
- \* SMA male straight & Rt/A
- \* SMA female straight & BH
- \* N male straight & Rt/A

Electrical Specifications @ +25°C		Unit
Frequency range	DC-18	GHz
Maximum VSWR	1.20	:1
Cable Typical velocity of propagation	69.5	%

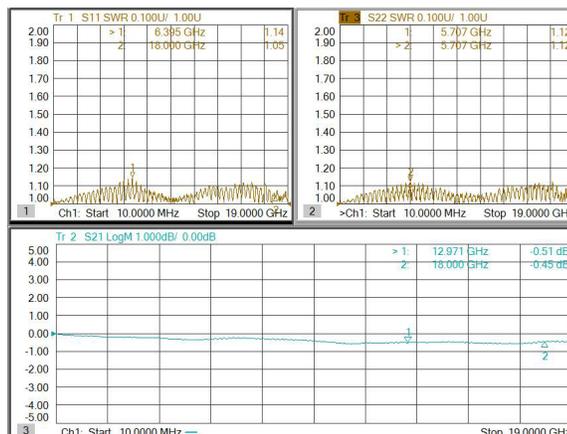
Typical Performance @+25°C	DC-2 GHz	2-4 GHz	4-6 GHz	6-10 GHz	10-18 GHz
VSWR (S11) (:1) typ. max.@ 12 in.	1.03	1.06	1.09	1.14	1.12
Insertion Loss (S21) (dB) typ. max. @12 in.	0.20	0.35	0.45	0.47	0.51

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

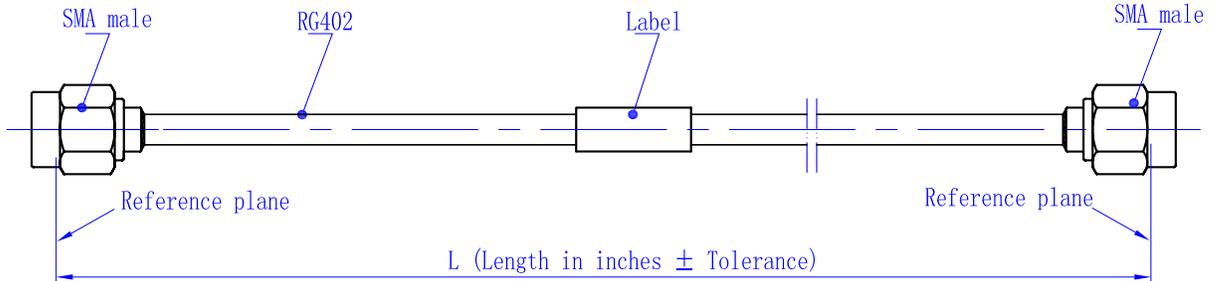
Bulk cable specifications	
Temperature range	-65 to +125° C
Cable Type	RG-402 eP-Formable
Cable outer diameter	.141" nominal
Inner conductor/finish	Silver-plated copper clad steel
Dielectric type	PTFE
Jacket material	N/A

Connector specifications	Connector 1	Connector 2
Configuration	Straight	Straight
Connector Type	SMA male	SMA male
Body hex size	N/A	N/A
Coupling nut hex size	5/16"	5/16"
Coupling nut material/finish	Stainless steel/Passivated	Stainless steel/Passivated
Connector body material/finish	Brass/Au-plated	Brass/Au-plated
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-Sprial Strip Flexible cable assemblies in a wide variety of connector configurations, cable diameters and oil and chemicals resistant FEP jacket. eP-Sprial Strip 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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