



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
- Anti-torque nut on SMA Male straight connectors
- 100% VSWR test to 10 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-10 GHz
Cable	RG-405 eP-Formable
Cable O.D.	.085" nominal

Configuration

Connector 1	SMA Male Au-plated center contact Passivated stainless steel nut
Connector 2	SMA Male Au-plated center contact Passivated stainless steel nut

Applications

- Test equipment
- Rack systems
- Lab setups and testing

evissap Standards

When ordering, please specify cable assembly length in inches. Example: eP5005R-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 warranty and Terms and Conditions applies

FOB is evissap's San Jose, CA US facility

Connector options available for .085" cable

SMA male straight & Rt/A	BNC male straight & Rt/A
SMA female straight & BH	BNC female straight & BH
N-type male straight & Rt/A	2.92mm male straight & R/A
N-type female straight & BH	2.92mm female BH
TNC male straight & BH	SMPM & SMP male straight and Rt/A
TNC female straight BH	
MCX male straight & Rt/A	
MMCX male straight & Rt/A	

Electrical Specifications @ +25°C		Unit
Frequency range	DC-10	GHz
Maximum VSWR	1.35	:1
Typical velocity of propagation	69.5	%

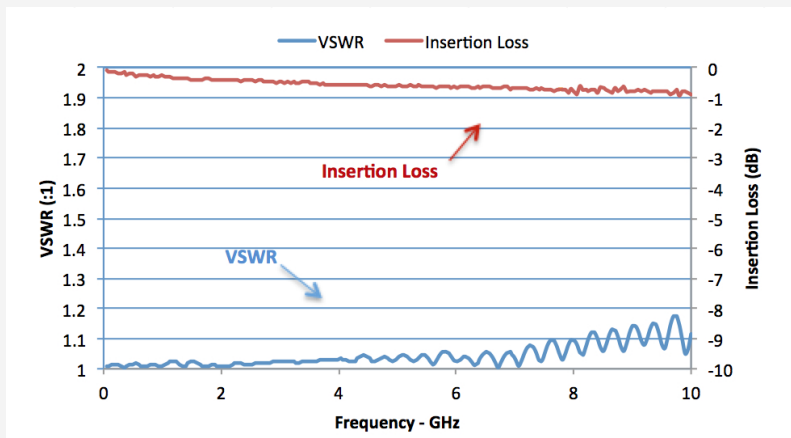
Typical Performance @+25°C	DC-2 GHz	2-4 GHz	4-6 GHz	6-10 GHz
VSWR (S11) (:1) typ. max.@ 12 in.	1.03	1.03	1.06	1.18
Insertion Loss (S21) (dB) typ. max. @ 12 in.	0.45	0.53	0.70	0.99

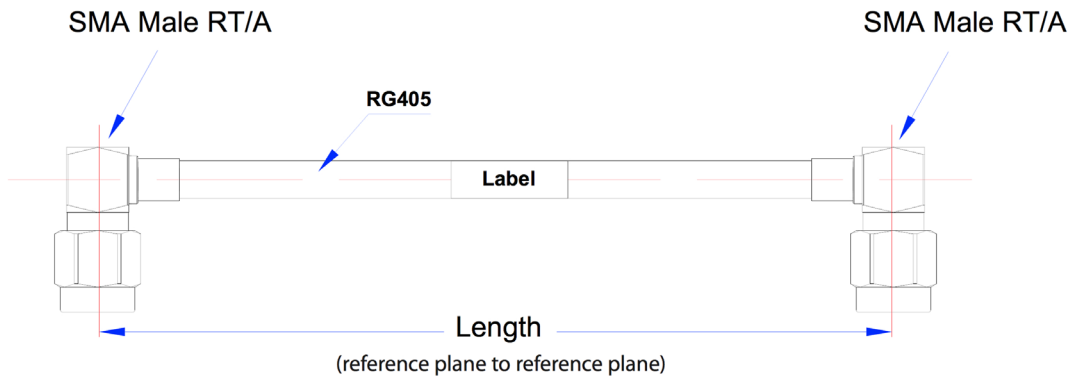
For any length (L in.), estimated insertion loss: $C + (S21 \text{ value above } C) * (L/12)$, Connector loss is $C = 2 * .03 \sqrt{f(\text{GHz})}$

Bulk cable specifications	
Temperature range	-65 to +125° C
Cable Type	RG-405 eP-Formable
Cable outer diameter	.085" nominal
Inner conductor/finish	Silver-plated copper clad steel
Dielectric type	PTFE
Jacket material	N/A

Connector specifications	Connector 1	Connector 2
Configuration	Right Angle	Right Angle
Connector Type	SMA male	SMA male
Anti-Torque hex size	1/4"	1/4"
Coupling nut hex size	5/16"	5/16"
Coupling nut material/finish	Stainless steel/Passivated	Stainless steel/Passivated
Connector body material/finish	Brass/Au	Brass/Au
Dielectric type	PTFE	PTFE

Typical performance data for 12" cable @+25°





Standard length tolerances	
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-formable cable assemblies in a variety of connector interfaces, connector configurations, cable diameters and outer jacket options. eP-formable 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.

evissap reserves the right to change specifications, prices and any other information at any time without prior notice.

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Rev: A