



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
- 100% VSWR test to 11 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-11 GHz
Cable	.141"; Tin braid
Cable O.D.	.141" nominal

Configuration

Connector 1	N Female Ni-plated brass body Includes washer, nut & O-ring
Connector 2	SMA Male Au-plated brass body Passivated stainless steel coupling nut

Applications

- Test equipment
- Rack systems
- Lab setups and testing
- Note: Bulkhead connector includes washer, gasket and hex nut.

evissap Standards

When ordering, please specify cable assembly length in inches. Example: eP5055R-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 .141" cable

mini-DIN male straight & Rt/A	BNC male straight & Rt/A
mini-DIN female BH	BNC female straight & BH
SMA male straight & Rt/A	2.92mm male straight & Rt/A
SMA female straight & BH	7/16 male straight & Rt/A
N male straight & Rt/A	7/16 female BH
N female straight & BH	4.3-10 male straight & Rt/A
TNC male straight & BH	4.3-10 female BH
TNC female straight & BH	

Electrical Specifications @ +25°C		Unit
Frequency range	DC-11	GHz
Maximum VSWR	1.50	:1
Typical velocity of propagation	69.5	%

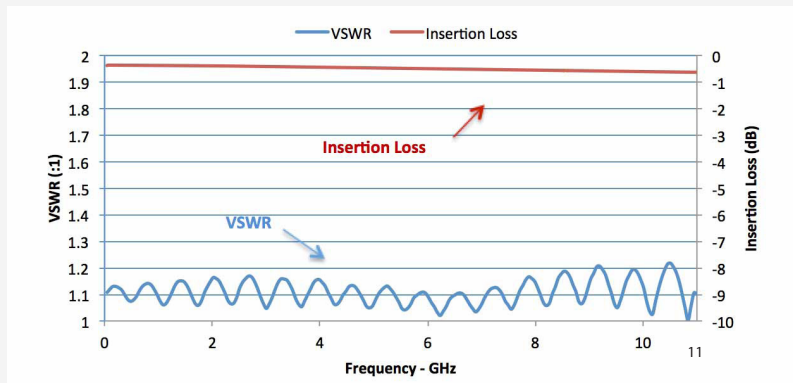
Typical Performance @+25°C	DC-2 GHz	2-4 GHz	4-6 GHz	6-8 GHz	8-11 GHz
VSWR (S11) (:1) typ. max.@ 12 in.	1.15	1.17	1.15	1.17	1.22
Insertion Loss (S21) (dB) typ. max. @ 12 in.	0.39	0.44	0.49	0.55	0.63

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

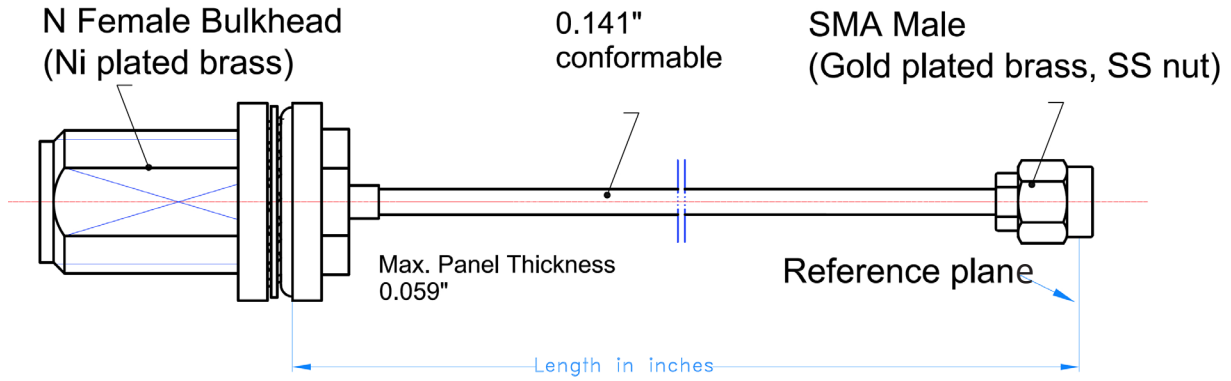
Bulk cable specifications	
Temperature range	-65 to +125° C
Cable Type	.141"; eP-Formable
Cable outer diameter	.141" nominal
Inner conductor/finish	Silver-plated copper clad steel
Dielectric type	PTFE
Jacket material	N/A

Connector specifications	Connector 1	Connector 2
Configuration	Bulkhead	Straight
Connector Type	N Female	SMA Male
Anti-Torque hex size	N/A	1/4"
Coupling nut hex size	N/A	5/16"
Coupling nut material/finish	N/A	Stainless steel/Passivated
Connector body material/finish	Brass/Ni	Brass/Au
Dielectric type	PTFE	PTFE

Typical performance data for 12" cable @+25°



Outline drawing



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: -