



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

- 100% VSWR test to 11 GHz
- 100% Hi-pot and continuity tests
- Standard delivery <21 days from order
- RoHS compliant per evissaP's RoHS statement

Overview

Impedance	50 ohms
Frequency Range	DC-11 GHz
Cable	RG-402;FEP jacketed
Cable O.D.	.163" nominal

Configuration

Connector 1	N Male Rt/A Ni-plated brass body
Connector 2	N Female Bulkhead Ni-plated brass body

Applications

- Test equipment
- Rack systems
- Lab setups and testing

evissaP Standards

When ordering, please specify cable assembly length in inches. Example: eP5105R-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

Standard Length Tolerances

L (inches)	Tolerance (inches)
2.0-5.9	+/- 0.125
6.0-11.9	+/- 0.187
12.0-17.9	+/- 0.187
18.0-23.9	+/- 0.250
24.0-29.9	+/- 0.313
30.0-36.0	+/- 0.313

Electrical Specifications @ +25°C		Unit
Frequency range	DC-11	GHz
Maximum VSWR	1.35	:1
Typical velocity of propagation	69.5	%

Typical Performance @ +25°C	DC-6 GHz	6-11 GHz
VSWR (S11) (:1) typ. max.@ 12 in.	1.00	1.00
Insertion Loss (S21) (dB) typ. max. @ 12 in.	.00	.00

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-402 eP-Formable
Cable outer diameter	.163" nominal
Inner conductor/finish	Silver-plated copper clad steel
Dielectric type	PTFE
Jacket material	Blue FEP

Connector specifications	Connector 1	Connector 2
Configuration	Right Angle	Bulkhead
Connector Type	N Male	N Female
Anti-Torque hex size	N/A	N/A
Coupling nut hex size	Knurled 0.79" O.D.	Knurled 0.79" O.D.
Coupling nut material/finish	Brass/Ni	N/A
Connector body material/finish	Brass/Ni	Brass/Ni
Dielectric type	PTFE	PTFE

Outline Drawing

