



The eP-LL240 Flexible cable is a LMR240 equivalent, and offers users high quality, low loss as well as excellent shielding effectiveness (>90 dB). evissap offers its eP-LL240 Flexible cable assemblies in a wide variety of connector configurations, eP-LL240 Flexible cable assemblies are built using lead free solder in combination with state-of-the-art induction soldering techniques.

Features

- eP-LL240 Low Loss Flexible
- SMA Male RT/A and SMA Male Straight 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	eP-LL240
Cable O.D.	.240" nominal

Configuration

Connector 1	SMA male RT/A Gold plated brass body
Connector 2	SMA male straight 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: eP2008R-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

Electrical Specifications @ +25°C		Unit
Frequency range	DC-6	GHz
Maximum VSWR	1.35	:1
Cable Typical velocity of propagation	84	%

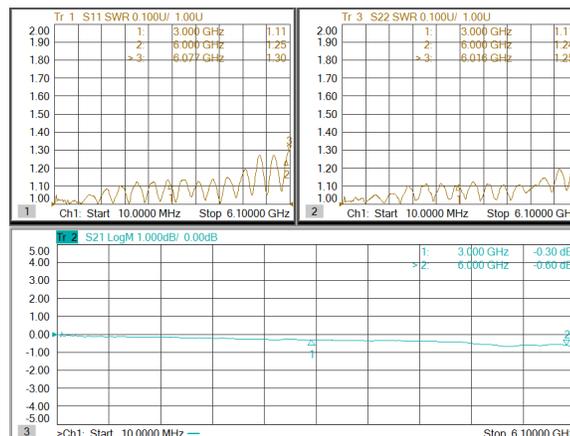
Typical Performance @+25°C	DC-2 GHz	2-4 GHz	4-6 GHz
VSWR (S11) (:1) typ. max.@ 12 in.	1.12	1.14	1.30
Insertion Loss (S21) (dB) typ. max. @12 in.	0.20	0.30	0.60

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

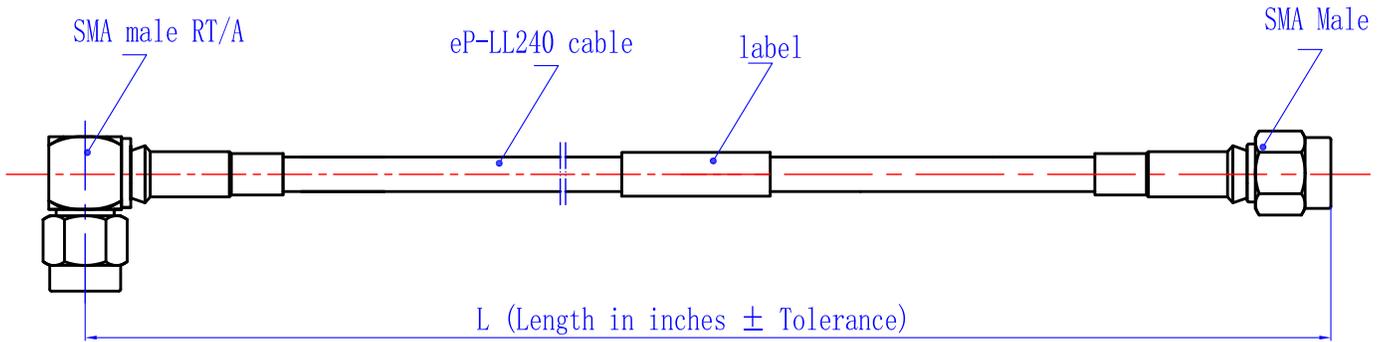
Bulk cable specifications	
Temperature range	-40 to +85° C
Cable Type	eP-LL240
Cable outer diameter	.240" nominal
Inner conductor/finish	Solid Bare Copper
Dielectric type	Form PE
Jacket material	Black PE

Connector specifications	Connector 1	Connector 2
Connector Type	SMA	SMA
Configuration	Male RT/A	Male Straight
Body hex size	N/A	N/A
Coupling nut hex size	5/16"	5/16"
Coupling nut material/finish	Gold plated brass	Gold plated brass
Connector body material/finish	Gold plated brass	Gold plated brass
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-LL100 Flexible cable assemblies in a wide variety of connector configurations, eP-LL100 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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