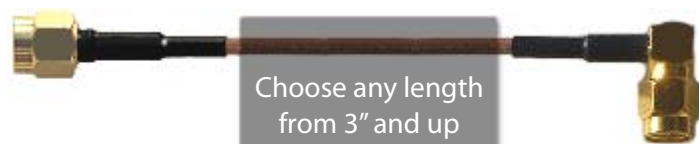


## eP1002R-LL.L RG-316 eP-Flexible Single Shield

## SMA Male Straight-SMA Male Right Angle



Choose any length from 3" and up

### Overview

- Impedance 50 ohms
- Frequency Range DC to 6 GHz
- Cable RG-316; FEP Jacketed
- Nominal Cable O.D. 0.100" nominal
- SMA Male Straight Ni/Au-plated brass body  
Au-plated center contact
- SMA Male Right Angle Ni/Au-plated brass body  
Au-plated center contact

### Summary

evissaP offers its Standard Product eP-Flexible cable assemblies in a wide variety of connector configurations, cable diameters and cable types. Standard Product eP-Flexible cable assemblies have solid RF performance and excellent mechanical integrity. Cable Assembly construction utilizes automated techniques including precision automatic cable stripping and connector attachment using pneumatic crimp. Construction using lead free solder is standard. Lead based solder is offered and can be ordered by specifying eP1002S-LL.L

### Features

- 100% VSWR test to 6 GHz
- 1.35:1 maximum to 6 GHz
- 100% Hi-pot and continuity tests
- Fast delivery on standard lengths
- RoHS compliant per evissaP RoHS statement
- Cost-effective, manufactured in US wholly owned ISO9001:2000 facility in China

### eP-Flexible RG-316 Jacketed Cable Assembly

Unit price, typical delivery and +25° C performance to 6 GHz for popular cable lengths. Almost any cable length available in about 2 weeks.

| Part Number         | Popular Length inches | S11/S22 to 6 GHz (:1) Maximum | S21/S12 to 6 GHz (dB) Typical | Typical Delivery | 10 to 24 pcs  | 25 to 49 pcs  | 50 to 99 pcs  |
|---------------------|-----------------------|-------------------------------|-------------------------------|------------------|---------------|---------------|---------------|
| eP1002R-03.0        | 3.0                   | 1.35                          | 0.610                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-04.0        | 4.0                   | 1.35                          | 0.680                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-05.0        | 5.0                   | 1.35                          | 0.750                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-06.0        | 6.0                   | 1.35                          | 0.820                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-07.0        | 7.0                   | 1.35                          | 0.890                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-08.0        | 8.0                   | 1.35                          | 0.960                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-09.0        | 9.0                   | 1.35                          | 1.030                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-10.0        | 10.0                  | 1.35                          | 1.100                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| eP1002R-11.0        | 11.0                  | 1.35                          | 1.170                         | stock-2 weeks    | \$8.80        | \$8.40        | \$7.95        |
| <b>eP1002R-12.0</b> | <b>12.0</b>           | <b>1.35</b>                   | <b>1.240</b>                  | <b>stock</b>     | <b>\$8.80</b> | <b>\$8.40</b> | <b>\$7.95</b> |
| eP1002R-13.0        | 13.0                  | 1.35                          | 1.310                         | stock-2 weeks    | \$9.30        | \$8.80        | \$8.45        |
| eP1002R-14.0        | 14.0                  | 1.35                          | 1.380                         | stock-2 weeks    | \$9.30        | \$8.80        | \$8.45        |
| eP1002R-15.0        | 15.0                  | 1.35                          | 1.450                         | stock-2 weeks    | \$9.30        | \$8.80        | \$8.45        |
| eP1002R-16.0        | 16.0                  | 1.35                          | 1.520                         | stock-2 weeks    | \$9.30        | \$8.80        | \$8.45        |
| eP1002R-17.0        | 17.0                  | 1.35                          | 1.590                         | stock-2 weeks    | \$9.30        | \$8.80        | \$8.45        |
| eP1002R-18.0        | 18.0                  | 1.35                          | 1.660                         | stock-2 weeks    | \$9.30        | \$8.80        | \$8.45        |
| eP1002R-24.0        | 24.0                  | 1.35                          | 2.080                         | stock-2 weeks    | \$12.05       | \$11.45       | \$10.90       |
| eP1002R-36.0        | 36.0                  | 1.35                          | 2.920                         | stock-2 weeks    | \$15.70       | \$15.00       | \$14.25       |
| eP1002R-48.0        | 48.0                  | 1.35                          | 3.760                         | stock-2 weeks    | \$20.40       | \$19.40       | \$18.50       |
| eP1002R-60.0        | 60.0                  | 1.35                          | 4.600                         | stock-2 weeks    | \$27.60       | \$26.30       | \$25.05       |
| eP1002R-72.0        | 72.0                  | 1.35                          | 5.440                         | stock-2 weeks    | \$37.80       | \$36.10       | \$34.00       |

**Bold print indicates item is typically deliverable from stock.**

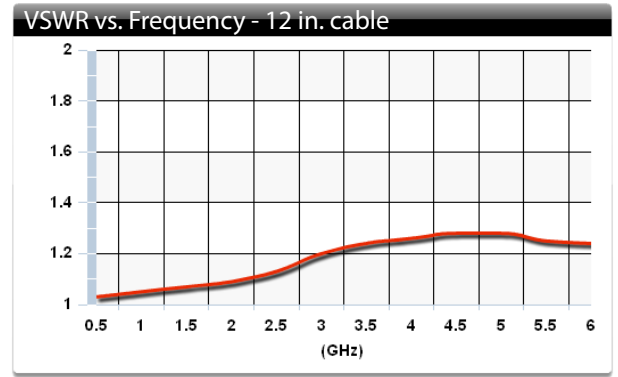
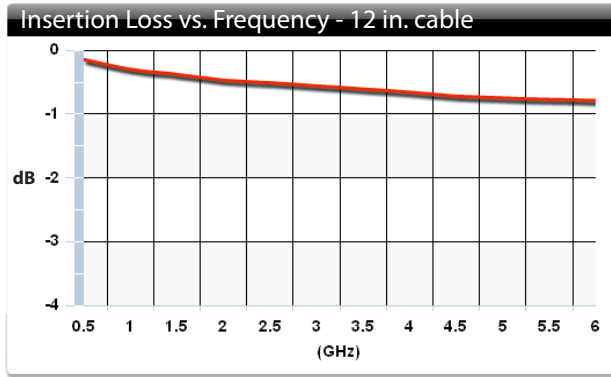
**Typical Maximum Insertion Loss (dB) at +25° C will be 0.4 dB + 0.07 x length (in inches).**

**Available in most any lengths. Prices are unit prices (price each) and in US dollars. Custom requirements welcome.**

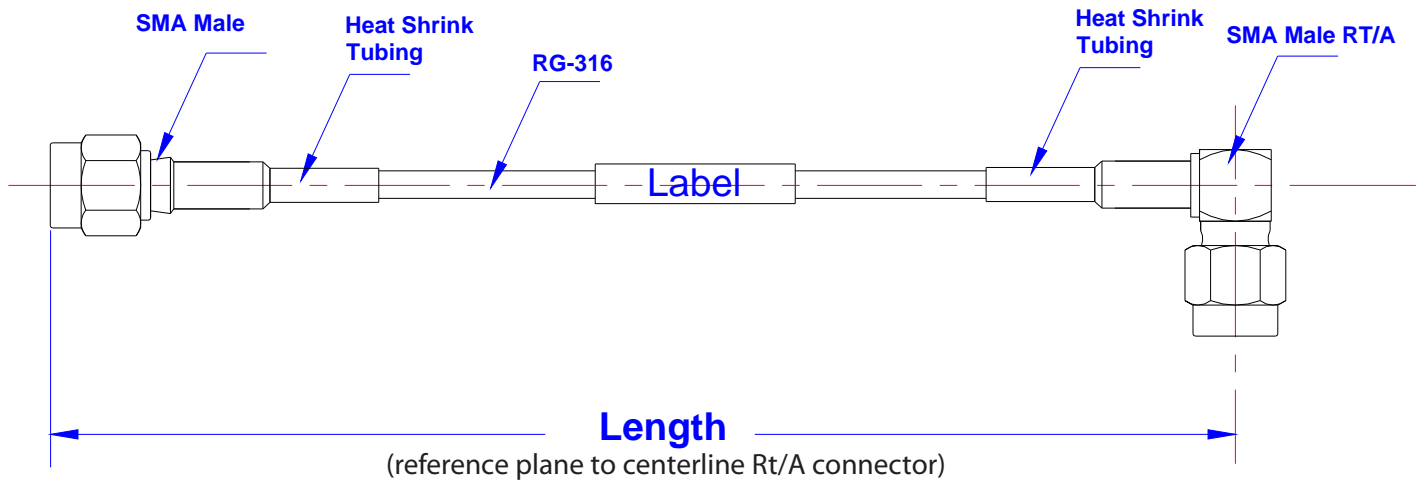
**eP1002R-LL.L RG-316 eP-Flexible Single Shield**

**SMA Male Straight-SMA Male Right Angle**

Typical performance @ +25° C



**Outline Drawing**



**Standard Length Tolerances**

| L (inches) | Tolerance (inches)     |
|------------|------------------------|
| 2 - 5.9    | +/- 0.125              |
| 6 - 11.9   | +/- 0.187              |
| 12 - 23.9  | +/- 0.250              |
| 24 - 35.9  | +/- 0.313              |
| 36 - 47.9  | +/- 0.375              |
| 48 - 59.9  | +/- 0.500              |
| 60 - 71.9  | +/- 0.563              |
| 72 - 83.9  | +/- 0.625              |
| > 83.9     | Please contact evissaP |

**evissaP Standards**

- When ordering, please specify cable assembly length in inches. Example: eP1002R-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 applies.
- FOB is evissaP's San Jose, CA facility.