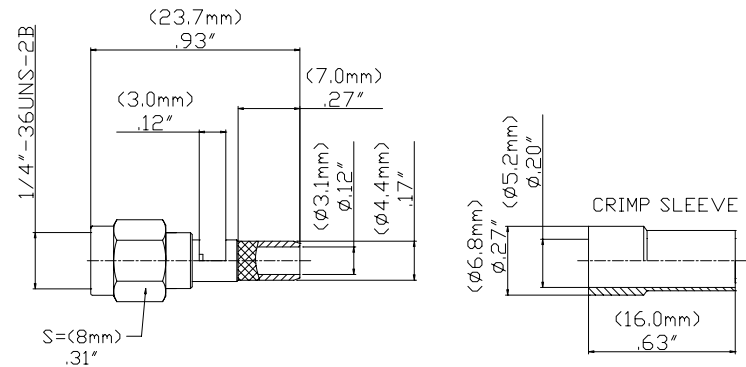


**Model 72944**  
**SMA PLUG STRAIGHT CRIMP, RG141**



Model 72944 SMA PLUG STRAIGHT CRIMP, RG141



High bandwidth, small size, and durability for confident connections

### Features

- DC – 12.4 GHz.
- Meets MIL-C-39012, IEC 169-15, CECC 22110.
- Small size and durability for mobile communications.
- Precision machined and gold-plated for low loss.

### Materials

- Body is machined brass with gold plating.
- Center Contacts - Plug is gold plated brass and Jack is gold plated Beryllium copper.
- Insulators are high quality PTFE.
- Crimp Ferrules are copper with gold or nickel plating.
- Gaskets are silicone rubber.

### Specifications

Impedance	50 $\Omega$
Frequency Range	DC - 12.4 GHz
Working Voltage	< 500 V <sub>peak</sub>
Dielectric Withstanding Voltage	1,000 V <sub>rms</sub>
VSWR	1.35 max.
Center/Outer Contact Resistance	0.003/0.002 $\Omega$ max
Insulation resistance	> 5000 M $\Omega$
Number of Insertions	500 cycles minimum
Temperature Range	-65° C to 165° C, -85° F to 329° F

### Ordering Information

Model: 72944

Description: SMA PLUG STRAIGHT CRIMP, RG141

USA: Sales: 800-490-2361

Technical Support: [technicalsupport@pomonatest.com](mailto:technicalsupport@pomonatest.com)

Fax: 425-446-5844

Europe: 31-(0) 40 2675 150 International: 425-446-5500

Where to Buy: [www.pomonaelectronics.com](http://www.pomonaelectronics.com)

All dimensions are in inches. Tolerances (except noted): .xx =  $\pm .02"$  (.51 mm), .xxx =  $\pm .005"$  (.127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies.

D2003384 REV 001

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# Model 72944 SMA PLUG STRAIGHT CRIMP, RG141

## Cable Types and Crimp Die Information

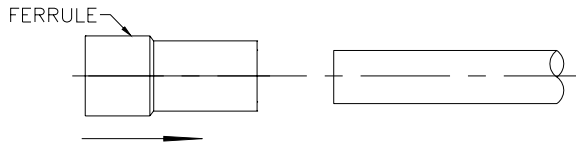
Connector Model #	Cable Groups	Crimp Die Cavity Size for Outer Ferrule
72944	R141	.213 (5.4)

## Cable Assembly Instructions

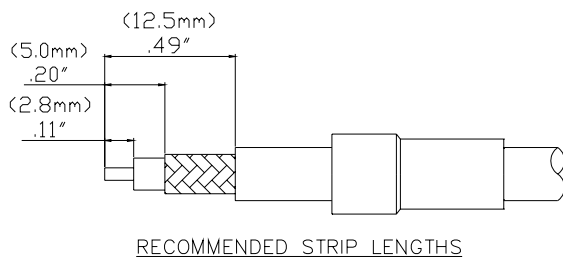
1. CUT CABLE END EVENLY AND PERPENDICULAR



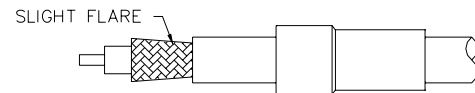
2. SLIDE OUTER FERRULE OVER CABLE END.



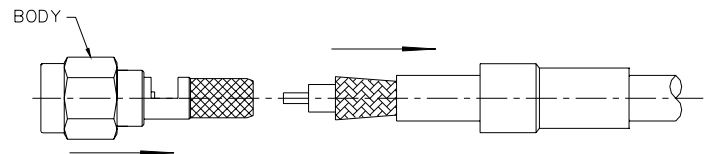
3. STRIP CABLE JACKET, BRAID, AND DIELECTRIC TO SPECIFICATION LENGTHS.



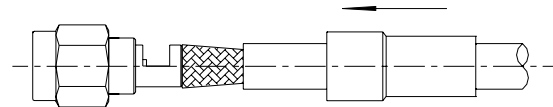
4. FLARE BRAID END SLIGHTLY.



5. SLIDE CONNECTOR BODY OVER CENTER CONDUCTOR.



6. SLIDE OUTER FERRULE OVER BRAID AND UP AGAINST BODY ASSEMBLY.



7. CRIMP OUTER FERRULE WITH APPROPRIATE CRIMP TOOL.

