

# ProSNS® Series

## FSNS59URA Specifications Sheet

ProSNS® connectors combine innovation and performance reliability.

### ProSNS Universal F Male Right Angle Connector: FSNS59URA

#### Features

The FSNS59URA is our Universal “F” type right-angle connector that fits most RG59 standard, tri-shield, and quad-shield cables.

#### Physical Properties

- Nut and Collar: NiTin Plated Brass
- Post: Tin Plated Brass
- O-Rings: Ethylene Propylene

#### Electrical Properties

- Return Loss:  $\geq -30$  dB up to 1 GHz typical
- Insertion Loss:  $\leq -0.2$  dB up to 1 GHz typical
- RFI Shielding: -85 dB typical (60% bonded foil)

#### Mechanical Properties

- Cable Insertion Force: 20 lbs. maximum
- Cable Retention Force: 40 lbs. minimum per SCTE IPS SP-401

#### Environmental Properties

- Temperature Rating -40 °F (-40 °C) to 140 °F (60 °C)
- Salt Fog: Passes 1000 hours ANSI/SCTE 143 2007
- Moisture Migration: Passes ANSI/SCTE 60 2010



FSNS59URA

#### Cable Sizes

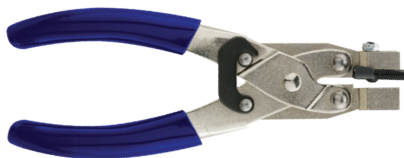
Inches	Minimum	~	Maximum
Center	.0317	~	.0339
Dielectric	.144	~	.157
Outer Jacket	.232	~	.273

Millimeters	Minimum	~	Maximum
Center	.81	~	.86
Dielectric	3.66	~	3.99
Outer Jacket	5.89	~	6.93

#### Recommended Installation Tools



CPLCCT-SLMR



CPSNSCT-596



PSA59/6

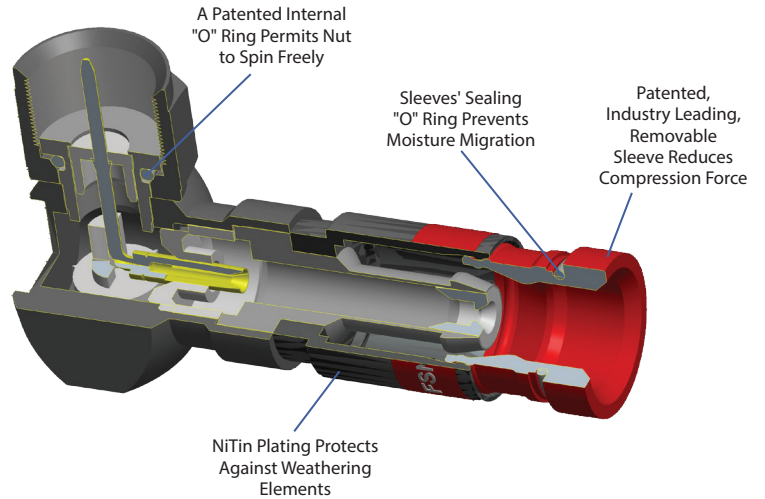
## ProSNS Universal F Male Right Angle Connector: FSNS59URA

### Quality in Design

The ProSNS connector series combines patented technologies and traditional, easy-to-use installation techniques together to create a high-quality connector family.

These connectors are designed using a patented, removable plastic sleeve design. By positioning the center conductor into the guide, the connector will properly align to the dielectric insuring proper installation.

### Internal Depiction of a ProSNS RG59 Right Angle Connector

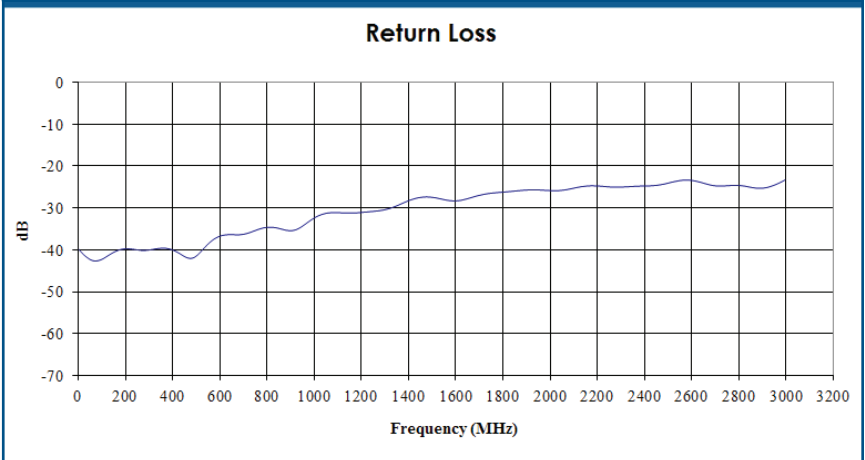


### Return Loss Performance

The return loss performance should be one of the most important factors in choosing a connector. Return loss (RL) represents the quality and consistency of the signal path. Better (more negative) RL measurements are the result of better impedance stability within the signal path and, therefore, lower reflected signal loss in the path.

All Belden ProSNS connectors meet or exceed SCTE return loss standards, providing superior return loss results and a dependable, high-quality signal.

### ProSNS RG59 Connector RL Performance



### FSNS59URA

Part Number*	Description	Impedance (Ohms)	Color Band	Recommended Tools**
FSNS59URA	Universal "F" Male Right Angle Connector for Standard or Quad-Shield RG59 Cable	75	Red	CPLCCT-SLMR or CPSNSCT-596

\*RG59 ProSNS Connectors are also available in retail packaging when ordered with [Part Number]-R.  
\*\* Most industry compression tools are compatible with ProSNS Connectors