

ProSNS® Series

FSNS6BNCU Specification Sheet

ProSNS® connectors combine innovation and performance reliability.

ProSNS Universal BNC Connector: FSNS6BNCU

A patented 360° floating-pin basket is incorporated into the design of the ProSNS BNC connector. By positioning the pin basket at the back end of the connector, the insertion of the cable center conductor is easier and more accurate. Once the pin basket is properly seated inside the connector, it is then compressed around the cable center conductor by an outer plastic sleeve.

Physical Properties

- Nut and Collar: NiTin Plated Brass
- Post: Tin Plated Brass

Electrical Properties

- Return Loss: ≥ -32 dB up to 1 GHz typical
- Insertion Loss: ≤ -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

Cable Sizes

Inches	Minimum	~	Maximum
Center	.0399	~	.0418
Dielectric	.180	~	.193
Outer Jacket	.265	~	.305

Millimeters	Minimum	~	Maximum
Center	1.01	~	1.06
Dielectric	4.57	~	4.90
Outer Jacket	6.73	~	7.75

Recommended Installation Tools



CPLCCT-SLMR



CPSNSCT-596



PSA59/6



FSNS6BNCU



Detachable Plastic Sleeve

Floating Pin

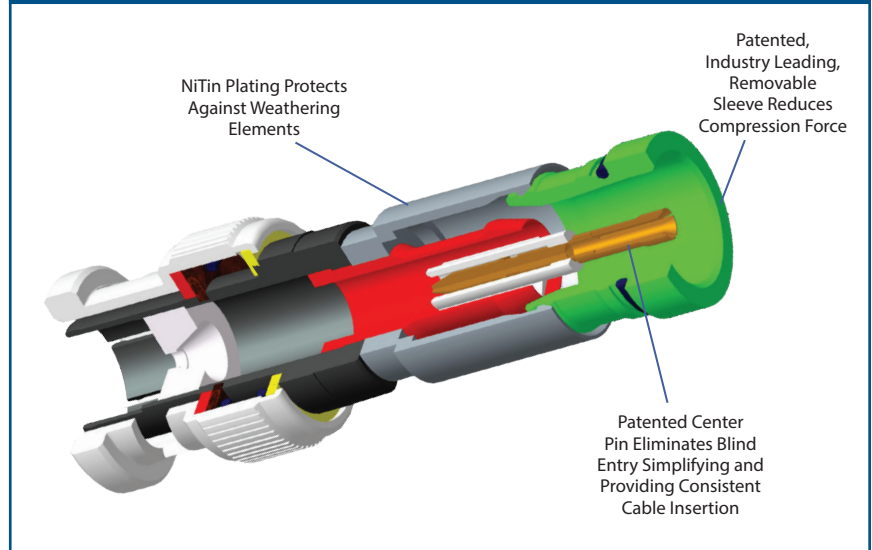
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Quality in Design

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 guide and pin basket design. By positioning the floating-pin 360° basket at the back end of the connector, it simplifies the insertion of the cable center conductor. The pin basket is compressed around the center conductor by a plastic compression ring.

Internal Depiction of a ProSNS BNC Connector

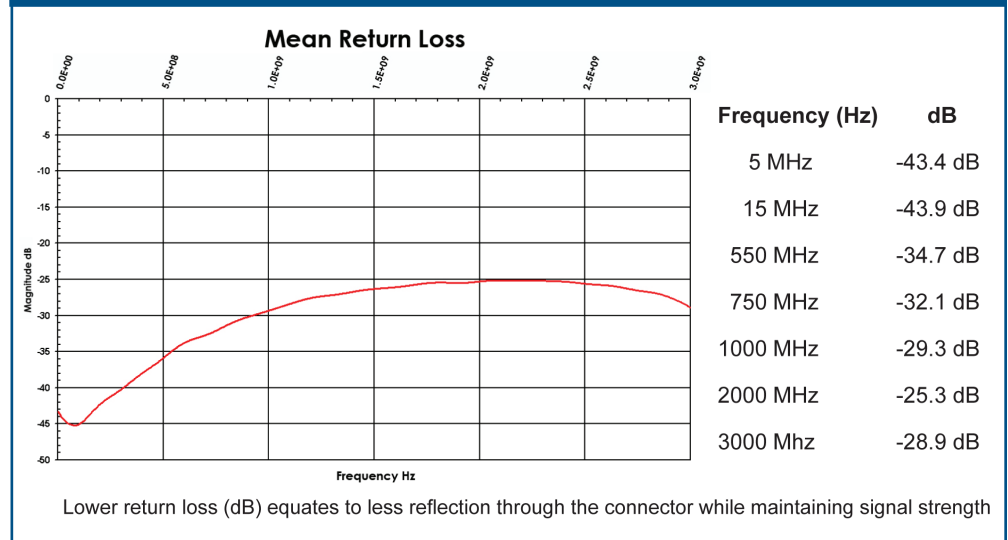


Return Loss Performance

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 RG6 BNC Connector RL Performance



FSNS6BNCU

Part Number*	Description	Impedance (Ohms)	Color Band	Recommended Tools**
FSNS6BNCU	Universal BNC Connector for Standard or Quad-Shield RG Cable	75	Green	CPLCCT-SLM or CPSNSCT-596

*RG6 ProSNS Connectors are also available in retail packaging when ordered with [Part Number]-R.
** Most industry compression tools are compatible with ProSNS Connectors