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Snap-N-Seal® ProSNS™ Compression Connectors

Specifically designed to combine the patented technologies of Snap-N-Seal® and F-Conn® to provide ease of installation and quality performance, the Belden Snap-N-Seal® ProSNS™ connectors deliver a reliable connection for a variety of applications.

Environmentally sealed ProSNS™ connectors combine innovation and performance reliability

Belden delivers industry-leading products by emphasizing superior quality and easy installation to provide a brand you can depend on to deliver innovation and reliability. By combining the advanced, patented design features of F-Conn® and the traditional, easy-to-use Snap-N-Seal® construction, we have created the industry's best compression connectors as part of the Snap-N-Seal® brand.

Designed for the Commercial and Residential Audio/Video, Security, and Broadband markets, this line of connectors provides a dependable, high-performance connection that meets or exceeds SCTE testing specifications for all your Series 11, 6, and 59 coaxial installations.

Snap-N-Seal® ProSNS™ Compression Connectors

Universal
- ProSNS™ universal RG–59, RG–6 and RG–11 connectors are designed to fit most non-plenum coaxial cables including 60% braid, tri–shield and quad–shield.

Plenum
- ProSNS™ plenum connectors are designed to fit most plenum coaxial cables. ProSNS™ RG–59 and RG–6 plenum connectors feature range-taking design which accounts for slightly different diameters found in plenum cables from different manufacturers.

Right Angle
- ProSNS™ right angle connectors also feature a universal design which allows for use on most non-plenum RG–59, RG–6 and RG–11 cables.

Mini
- ProSNS™ mini coax connectors feature superior cable pullout force while maintaining an easy to install design. One piece or multi-piece constructions are available from 22-26 AWG.

All ProSNS™ connectors have the following features:

- TRUE 360° compression onto the cable providing superior RF shielding performance, –85 dB effective shielding (typical on 60% bonded foil cable).

- A patented floating-pin insertion guide assists with the insertion of the cable into the connector and reduces the insertion force required to provide consistency and easy termination of the connector.

- An additional O-ring placed at base of the connector with a NiTin finish and UV resistant plastic provides a reliable, environmentally sealed product.

- Low insertion force is required to compress the connector onto the cable.

- The improved design offers the flexibility to be installed with nearly all available compression tools.

- Installation requires the industry standard 1/4"-1/4" cable preparation.

- Meet or exceed all SCTE standards.

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Innovation & Performance Reliability

Installations in Commercial and Residential Audio/Video, Security, and Broadband markets will be a "snap", thanks to the low compression force associated with traditional Snap-N-Seal® connectors along with the patented non-blind entry with a floating pin design from F-Conn®.

ProSNS™ Universal F Connector

The ProSNS™ F type connectors use a patented, removeable plastic sleeve guide designed to assist with the insertion of the cable center conductor to simplify the installation. As the cable center conductor is inserted into the back end of the connector, the removeable plastic guide is pushed forward and out from the front end of the connector. When the guide is completely pushed out from the front of the connector, it will detach and fall out. This design feature is to guide the insertion of the cable, and to help identify when the cable center conductor is fully and properly inserted into the connector.

A patented internal O-ring at the base of the nut facilitates a free-spinning nut design to ease installation.

ProSNS™ Universal RCA Connector

The patented removeable plastic sleeve guide is also a design feature of the ProSNS™ RCA connector. The plastic guide is attached to the front of the RCA pin. As the cable center conductor is inserted into the RCA pin and pushed forward, the removeable plastic guide is pushed up and out of the front end of the connector. The plastic guide will need to be detached and removed from the RCA pin, once the cable and pin are properly inserted into the connector.

ProSNS™ Universal BNC Connector

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.

ProSNS™ RG-11 Connectors

The ProSNS™ RG-11 connectors True 360° compression technology provides high quality 75Ω performance and superior return loss. The floating pin allows for non-blind entry.

The ProSNS™ RG-11 connector family comes in a variety of configurations to meet nearly every RG-11 installation need. This includes universal, plenum and quad-shield F type and BNC connectors. A 90° F type connector is also available for greater installation flexibility.

Like our 59 and 6 connectors, the ProSNS™ RG-11 F connectors utilize a plastic pin guide for greater connector performance and easy installation.

FSNS6U
ProSNS™ Universal F Connector

FSNS59RCAU
ProSNS™ Universal RCA Connector

FSNS59BNCU
ProSNS™ Universal BNC Connector

SNS1P11H and 716SNS1P11HPLA
ProSNS™ Universal RG-11 Connectors

Detachable Plastic Sleeve

Floating Pin

FSNS6BNCU
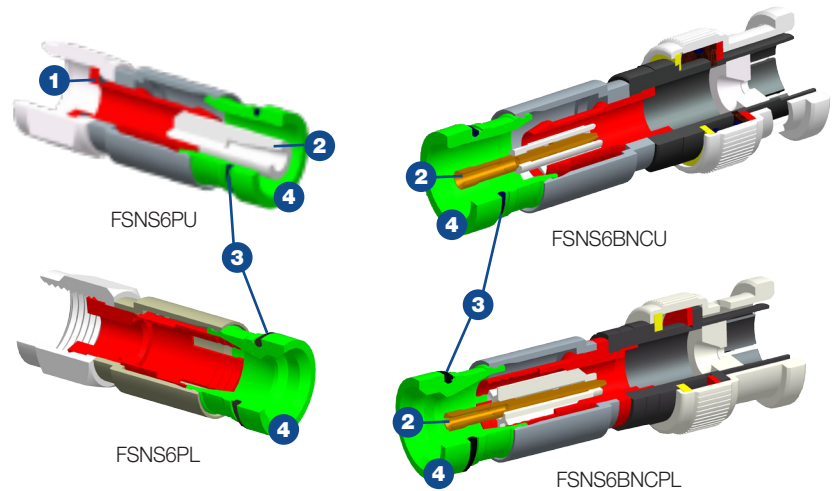ProSNS™ Universal BNC Series 6 Connector

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.

Plenum and security connectors also utilize the patented floating pin and guide sleeve, but also feature a split ferrule which makes cable insertion easier - without compromising signal quality or cable retention."

Internal Depictions of ProSNS™ Connectors

FSNS6PU

FSNS6BNCU

FSNS6PL

FSNS6BNCPL

1. A Patented Internal "O" Ring Permits Nut to Spin Freely While Protecting Against Water Migration
2. Patented Guide Sleeve (F) and Center Pin (BNC and RCA) Eliminate Blind Entry Simplifying and Providing Consistent Cable Insertion
3. Sleeves' Sealing "O" Ring Prevents Moisture Migration
4. Patented, Industry Leading, Removable Sleeve Reduces Compression Force

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

ProSNS™ RG-6 Connector RL Performance

Return Loss

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Product Offering

RG-59 Cable

Part Number*	Cable Type	Description	Impedance (ohms)	Color Band	Recommended Tool**
FSNS59U	RG-59	Universal "F" Connector for Standard or Quad-Shield Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59BNCU	RG-59	Universal BNC Connector for Standard or Quad-Shield Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59RCAU	RG-59	Universal RCA Connector for Standard or Quad-Shield Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59BNCSL	RG-59	BNC Connector for CCTV (CU Braid, No Foil) Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59PL	RG-59	"F" Connector for Plenum Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59PL3	RG-59	"F" Connector for Plenum Cable (23 AWG)	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59BNCPL	RG-59	BNC Connector for Plenum Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59BNCPL3	RG-59	BNC Connector for Plenum Cable (23 AWG)	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59RCAPL	RG-59	RCA Connector for Plenum Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59RCAPL3	RG-59	RCA Connector for Plenum Cable (23 AWG)	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNS59URA	RG-59	Universal "F" Connector for Standard or Quad Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNSBNC59URA	RG-59	Universal BNC Connector for Standard or Quad Cable	75	Red	CPLCCT-SLM or CPSNSCT-596
FSNSRCA59URA	RG-59	Universal RCA Connector for Standard or Quad Cable	75	Red	CPLCCT-SLM or CPSNSCT-596

RG-6 Cable

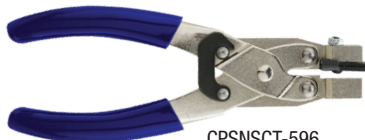| Part Number*	Cable Type	Description	Impedance (ohms)	Color Band	Recommended Tool**
FSNS6U	RG-6	Universal "F" Connector for Standard or Quad-Shield Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNS6BNCU	RG-6	Universal BNC Connector for Standard or Quad-Shield Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNS6RCAU	RG-6	Universal RCA Connector for Standard or Quad-Shield Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNS6PL	RG-6	"F" Connector for Plenum Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNS6BNCPL	RG-6	BNC Connector for Plenum Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNS6RCAPL	RG-6	RCA Connector for Plenum Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNS6URA	RG-6	Universal "F" Connector for Standard or Quad Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNSBNC6URA	RG-6	Universal BNC Connector for Standard or Quad Cable	75	Green	CPLCCT-SLM or CPSNSCT-596
FSNSRCA6URA	RG-6	Universal RCA Connector for Standard or Quad Cable	75	Green	CPLCCT-SLM or CPSNSCT-596

RG-11 Cable

Part Number*	Cable Type	Description	Impedance (ohms)	Color Band	Recommended Tool**
716SNS1P11H	RG-11	7/16" Universal "F" Connector for Standard or Quad-Shield Cable	75	Black	CPLCCT-LS59/11
716SNS1P11HPLA	RG-11 Plenum	7/16" "F" Connector for Plenum Cable	75	Gray	CPLCCT-LS59/11
716SNS1P11HQ	RG-11 Quad	7/16" "F" Connector for Quad-Shield Cable	75	Purple	CPLCCT-LS59/11
SNS1P11H	RG-11	9/16" Universal "F" Connector for Standard or Quad-Shield Cable	75	Black	CPLCCT-LS59/11
90SNS1P11H	RG-11	"F" Connector, Right Angle for Standard or Quad-Shield Cable	75	Black	CPLCCT-LS59/11
FSNS11HBNC	RG-11	Universal BNC Connector for Standard or Quad-Shield Cable	75	Black	SNSUNI
FSNS11HBNCPLA	RG-11 Plenum	BNC Connector for Plenum Cable	75	Gray	SNSUNI
FSNS11QHBNC	RG-11 Quad	BNC Connector for Quad-Shield Cable	75	Purple	SNSUNI

* RG59 and RG6 ProSNS™ connectors are also available in retail packaging when ordered with [Part Number]-R (see photo right).
** Most industry compression tools are compatible with ProSNS™ connectors.

CPLCCT-SLM

CPSNSCT-596