

**Thomas & Betts**

**SNAP-N-SEAL®**

**One-Piece BNC Compression Connector**



These connectors are designed for applications using Series 59, Series 59 Quad Shield, Series 6 and Series 6 Quad Shield SCTE specification coaxial cables. In addition the 59 Series BNC connectors are designed for applications using specific Broadband Headend cables and Digital Video cables.

- High performance, 75 ohm Snap-N-Seal® BNC Male connectors feature precision coaxial contacts for demanding bandwidth applications.
- True 360 degree compression onto cable ensures optimum RF shielding performance, -65dB effective shielding.
- BNC Male Plug interface is designed to nominal Mil Spec C-39012 with 75 ohm characteristic impedance.
- Integral silver-plated contact and Snap-N-Seal® design ensures ease of installation and reliable, high frequency return loss performance of -30dB to 1 GHz.
- Installation requires one-step 1/4" - 1/4" cable preparation and standard compression tools used for all 59 & 6 series Snap-N-Seal® product families, saving installation time.

**PHYSICAL PROPERTIES**

- Body Components: Brass
- Body Finish: Nickel
- Nut: Zinc alloy with Nickel plate
- Terminal/Contact: Beryllium Copper with Silver plate
- Insulators: TPX
- O-Rings: Ethylene propylene

**ELECTRICAL PROPERTIES**

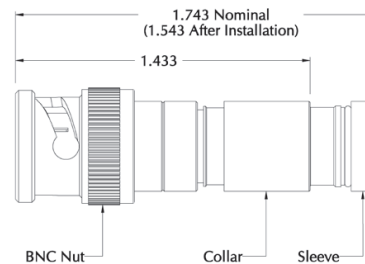
- Return Loss: -30 dB up to 1 GHz typical
- Insertion Loss: -0.2 dB up to 1 GHz typical
- RFI Shielding: -65 dB typical

**MECHANICAL PROPERTIES**

- Cable Retention: 40 lbs min. complies to SCTE IPS-SP-404
- Cable Insertion Force: <20 lbs

**ENVIRONMENTAL PROPERTIES**

- Temperature Rating: -40°F (-40°C) to 140°F (60°C)



**ORDERING INFORMATION**

CATALOG #	CABLE TYPES	CENTER COND DIA RANGE	POST I.D.	SLEEVE I.D.	SLEEVE COLOR	TOOL†	INNER PACK	OUTER PACK
<b>BNC COMPRESSION CONNECTORS</b>								
SNS1P59BNC	RG59 Belden 1505A Serial Digital Video Cable Belden 9167 Broadband Headend Cable Belden 9275 Belden 8241	.022 to .036	.154	.253	Orange	1+2	10	50
SNS1P59QSBNC	RG59QS	.022 to .042	.154	.275	Green	1+2	10	50
SNS1P6BNC	RG6	.032 to .040	.191	.290	Blue	1+2	10	50
SNS1P6QSBNC	RG6QS	.032 to .040	.191	.315	Violet	1+2	10	50
SNS1P6UBNC	Fits most RG6 and RG6QS coaxial cables	.032 to .040	.191	.293	Red	1+2	10	50
SNS1P59HECBNC	Commscope F59 HEC-2 Times Fiber 02240V Times Fiber 02241V Commscope S59 HEC	.022 to .036	.154	.290	White	1+2	10	50

†TOOL: 1 = SNSUTL, 2 = CST596711 OR CST596

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Cable Manufacturer	Cable Name/Number	SNS1P59BNC	SNS1P59QSBNC	SNS1P6BNC	SNS1P6QSBNC	SNS1P6UBNC	SNS1P59HECBNC
Belden	1505A Serial Digital Video Cable	Y					
Belden	8241	Y					
Belden	9167 Broadband Headend Cable	Y					
Belden	9275	Y					
Commscope	F59 HEC-2						Y
Commscope	S59 HEC						Y
Genesis	5001	Y					
Genesis	5002			Y			
Genesis	5003			Y			
Genesis	5006	Y					
Genesis	5007				Y		
Genesis	5013	Y					
Genesis	5302			Y			
Times Fiber	02240V						Y
Times Fiber	02241V						Y

**Note: For Cable TV Market Applications**

SCTE specification Series 59 coaxial cables	Y						
SCTE specification Series 59 quad shield coaxial cables		Y					
SCTE specification Series 6 coaxial cables				Y		Y	
SCTE specification Series 6 quad shield coaxial cables					Y	Y	
SCTE specification Series 59 headend coaxial cables							Y