





# BNC Male to SSMC Plug Right Angle Low Loss Cable 36 Inch Length Using LMR-100 Coax

## RF Cable Assemblies Technical Data Sheet

PE3C4431-36

Jacket Spark 2,000 Vrms

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Typ.)	0.56	0.71	0.92	1.4	1.52	dB

### Mechanical Specifications

#### Cable Assembly

Length\* 36 in [914.4 mm]  
Diameter 0.57 in [14.48 mm]

#### Cable

Cable Type LMR-100A  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel  
Dielectric Type PE  
Number of Shields 2  
Shield Layer 1 Aluminum Tape  
Shield Layer 2 Tinned Copper Braid  
Jacket Material PVC, Black  
Jacket Diameter 0.11 in [2.79 mm]  
  
One Time Minimum Bend Radius 0.25 in [6.35 mm]  
Repeated Minimum Bend Radius 1 in [25.4 mm]  
Bending Moment 0.1 lbs-ft [0.14 N-m]  
Flat Plate Crush 10 lbs/in [0.18 Kg/mm]  
Tensile Strength 15 lbs [6.8 Kg]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to SSMC Plug Right Angle Low Loss Cable 36 Inch Length Using LMR-100 Coax PE3C4431-36](#)



## BNC Male to SSMC Plug Right Angle Low Loss Cable 36 Inch Length Using LMR-100 Coax

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#### Connectors

Description	Connector 1	Connector 2
Type	BNC Male	SSMC Plug Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	MIL-G-45204
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel	Beryllium Copper, Gold
Coupling Nut Plating Specification	100 µin minimum	MIL-G-45204
Torque		1.75 in-lbs [0.2 Nm]

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

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Cable 36 Inch Length Using LMR-100 Coax

RF Cable Assemblies Technical Data Sheet

PE3C4431-36

**How to Order**

Part Number Configuration:

**PE3C4431**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3C4431-12 = 12 inches long cable  
PE3C4431-100cm = 100 cm long cable

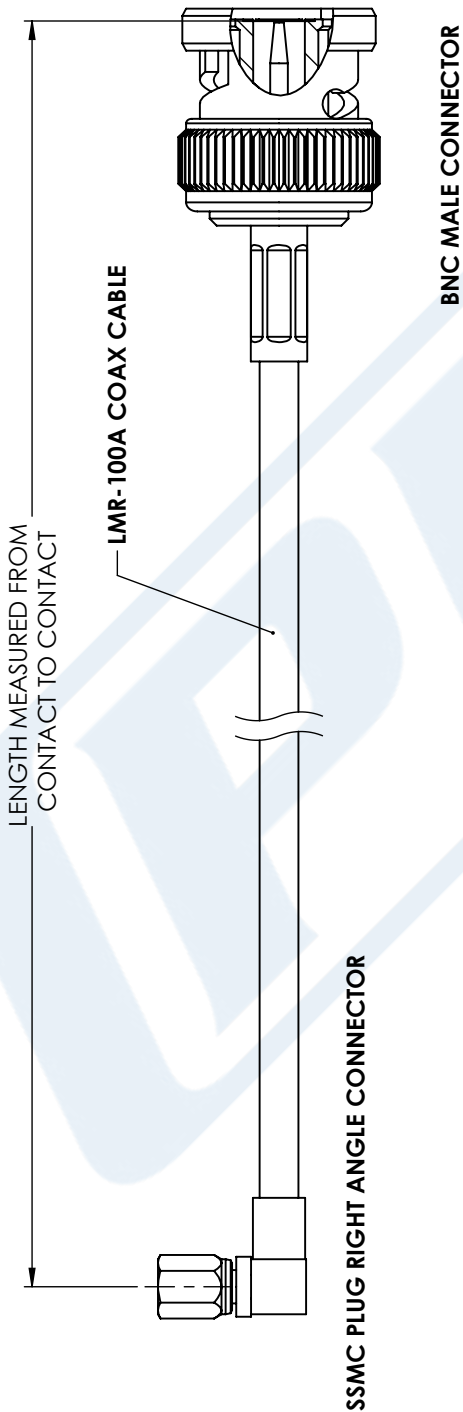
BNC Male to SSMC Plug Right Angle Low Loss Cable 36 Inch Length Using LMR-100 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to SSMC Plug Right Angle Low Loss Cable 36 Inch Length Using LMR-100 Coax PE3C4431-36](https://www.pasternack.com/bnc-male-ssmc-plug-lmr100-cable-assembly-pe3c4431-36-p.aspx)

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3C4431-36 CAD Drawing  
BNC Male to SSMC Plug Right Angle Low Loss Cable  
36 Inch Length Using LMR-100 Coax



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE  
PE3C4431

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE	53919	CAD FILE	09/05/17	SCALE	N/A	SIZE	A	CN2245
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