



## SMA Male to N Male Cable Using LMR-195 Coax

### RF Cable Assemblies Technical Data Sheet

PE3C0121

#### Configuration

- Connector 1: SMA Male
- Connector 2: N Male
- Cable Type: LMR-195

#### Features

- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C0121 SMA male to type N male cable using LMR-195 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-195 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω/1000ft [Ω/Km]
Jacket Spark			3,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Male Cable Using LMR-195 Coax PE3C0121](#)



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#### Mechanical Specifications

##### Cable Assembly

Weight 0.121 lbs [54.88 g]

##### Cable

Cable Type LMR-195  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper  
Dielectric Type PE (F)  
Number of Shields 2  
Shield Layer 1 Aluminum Tape  
Shield Layer 2 Tinned Copper Braid  
Jacket Material PE, Black  
Jacket Diameter 0.195 in [4.95 mm]  
  
One Time Minimum Bend Radius 0.5 in [12.7 mm]  
Repeated Minimum Bend Radius 2 in [50.8 mm]  
Bending Moment 0.2 lbs-ft [0.27 N-m]  
Flat Plate Crush 15 lbs/in [0.27 Kg/mm]  
Tensile Strength 40 lbs [18.14 Kg]

##### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	N Male
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	ASTM B488	ASTM B488
Dielectric Type	Teflon	Teflon
Body Material and Plating	Passivated Stainless Steel	Brass, Tri-Metal
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Tri-Metal
Hex Size	5/16 Inch	13/16 Inch

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

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Male Cable Using LMR-195 Coax PE3C0121](#)



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#### How to Order

Part Number Configuration:

**PE3C0121**

- **xx**

**uu**

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

Example: PE3C0121-12 = 12 inches long cable  
PE3C0121-100cm = 100 cm long cable

SMA Male to N Male Cable Using LMR-195 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.

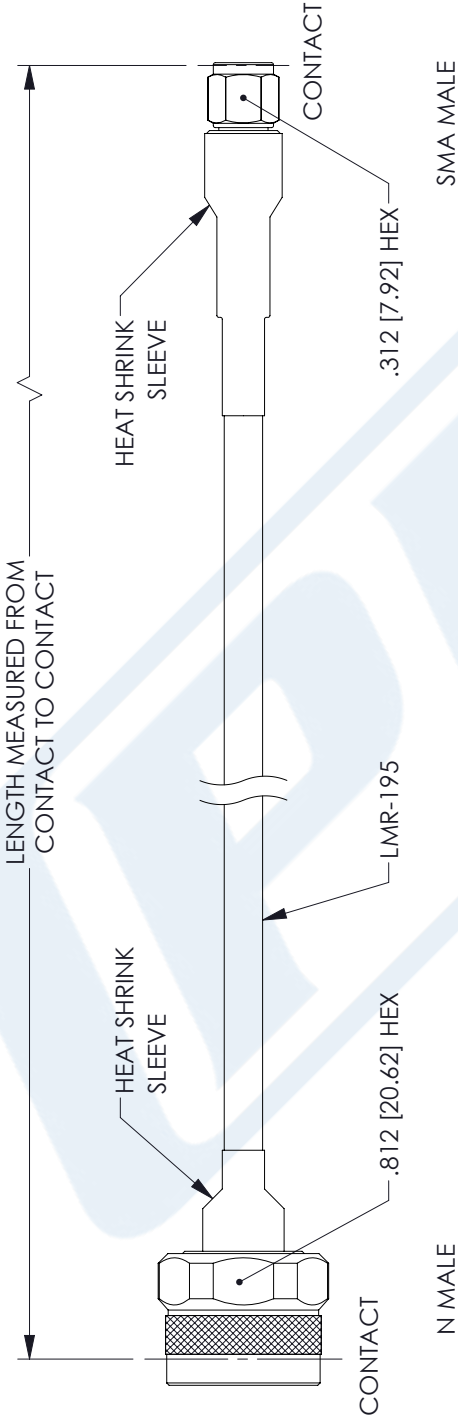
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Male Cable Using LMR-195 Coax PE3C0121](#)

URL: <https://www.pasternack.com/sma-male-n-male-lmr195-cable-assembly-pe3c0121-p.aspx>

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.

PE3C0121 CAD Drawing  
SMA Male to N Male Cable Using LMR-195 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE3C0121 20220105	02/28/2022	SRAUTUS




UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ± .2	[5.08]
.XX = ± .02	[.51]
.XXX = ± .005	[.13]
ANGLES	± 1°
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305]	± .1 [25]
12 [305] < L ≤ 60 [1524]	± .2 [51]
60 [1524] < L ≤ 120 [3048]	± .4 [102]
120 [3048] < L ≤ 300 [7620]	± .6 [152]
300 [7620] < L	± .5% L
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DZINN	PE3C0121

THIRD-ANGLE PROJECTION 	
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SCALE	N/A
REV	B

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