



N Male to N Male Cable 120 Inch Length  
Using PE-C195 Coax, RoHS

## RF Cable Assemblies - PE37940-120

### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: PE-C195

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		80		%
RF Shielding	90			dB
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Jacket Spark			5,000	Vrms

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	250	500	1000	2.5	5.8	MHz
Insertion Loss	0.75	0.986	1.315	2.01	3.02	dB
VSWR	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss	15.56	15.563	15.563	15.563	15.563	dB

### Mechanical Specifications

#### Cable Assembly

Length	120 in [304.8 cm]
Diameter	0.83 in [21.08 mm]
Weight	0.142 lbs [64.41 g]
Cable Color	Black
Connection Type	In-Series
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]

#### Cable

Cable Type	PE-C195
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Cable 120 Inch Length Using PE-C195 Coax, RoHS PE37940-120](#)



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## RF Cable Assemblies - PE37940-120

Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE
Jacket Diameter	0.195 in [4.95 mm]

### Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	Teflon	Teflon
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Hex Size	18 mm	18 mm
Torque	9 in-lbs [1.02 Nm]	9 in-lbs [1.02 Nm]
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

### Environmental Specifications

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
REACH Compliant	12/19/2011

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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## RF Cable Assemblies - PE37940-120

### How to Order

Part Number Configuration:

**PE37940**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE37940-12 = 12 inches long cable  
PE37940-100cm = 100 cm long cable

N Male to N Male Cable 120 Inch Length Using PE-C195 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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: [N Male to N Male Cable 120 Inch Length Using PE-C195 Coax, RoHS PE37940-120](#)

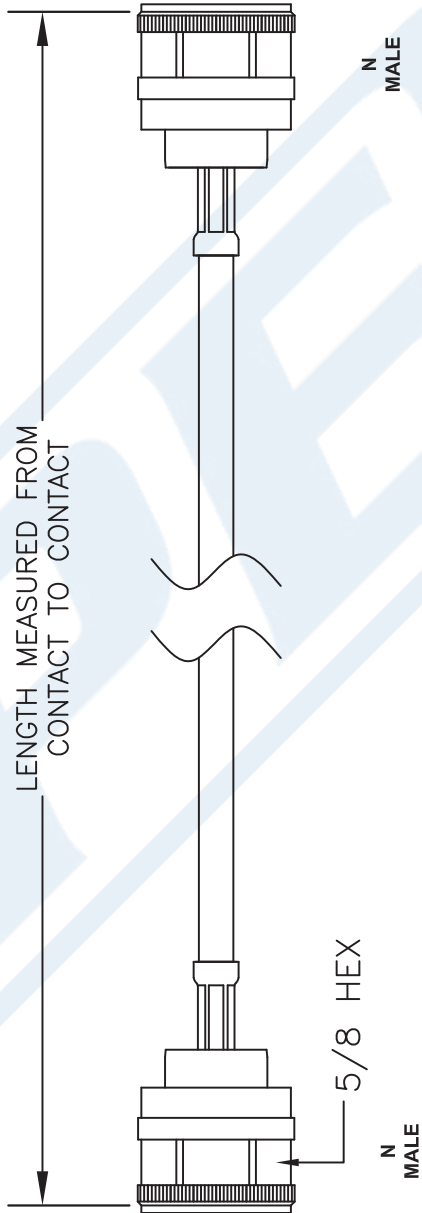
URL: <http://www.pasternack.com/n-male-n-male-pe-c195-cable-assembly-pe37940-120-p.aspx>

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.

# PE37940-120 CAD Drawing

N Male to N Male Cable 120 Inch Length Using PE-C195 Coax, RoHS

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length in Inches



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].  
 4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE37940-XX**

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REV. B	FSCM NO. 53919	CAD FILE 122211	SCALE N/A	SIZE A	2233
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