



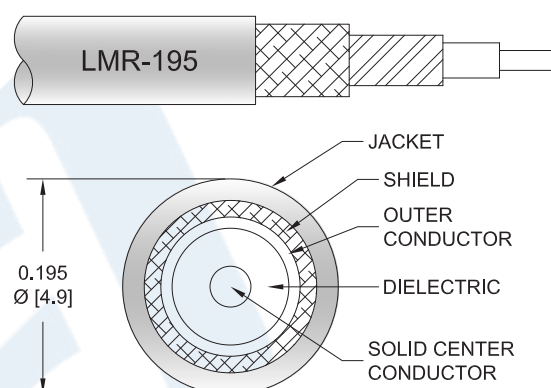
# N Male to N Male Right Angle with Times Connectors Cable 36 Inch Length Using LMR-195 Coax

## RF Cable Assemblies Technical Data Sheet

**PE3C0120-36**

### Configuration

- Connector 1: N Male
- Connector 2: N Male Right Angle
- Cable Type: LMR-195



### Electrical Specifications

| Description                   | Minimum | Typical      | Maximum | Units           |
|-------------------------------|---------|--------------|---------|-----------------|
| Frequency Range               | DC      |              | 5.8     | GHz             |
| VSWR                          |         |              | 1.5:1   |                 |
| 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            |

### Specifications by Frequency

| Description           | F1   | F2   | F3  | F4   | F5   | Units |
|-----------------------|------|------|-----|------|------|-------|
| Frequency             | 0.25 | 0.5  | 1   | 2.5  | 5.8  | GHz   |
| Insertion Loss (Max.) | 0.42 | 0.45 | 0.6 | 0.81 | 1.14 | dB    |

### Mechanical Specifications

#### Cable Assembly

Length

36 in [914.4 mm]

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 Right Angle with Times Connectors Cable 36 Inch Length Using LMR-195 Coax PE3C0120-36](#)



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|                                      |                        |
|--------------------------------------|------------------------|
| Diameter                             | 0.8 in [20.32 mm]      |
| Weight                               | 0.201 lbs [91.17 g]    |
| <b>Cable</b>                         |                        |
| 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                               | N Male        | N Male Right Angle |
| Impedance                          | 50 Ohms       | 50 Ohms            |
| Mating Cycles                      |               | 500                |
| Contact Material and Plating       | Brass, Gold   | Brass, Gold        |
| Contact Plating Specification      |               | 50µ in. minimum    |
| Dielectric Type                    | Teflon        | Teflon             |
| Coupling Nut Material and Plating  | Brass, Silver | Brass, Tri-Metal   |
| Coupling Nut Plating Specification |               | 80µ in. minimum    |
| Body Material and Plating          | Brass, Silver | Brass, Tri-Metal   |
| Body Plating Specification         |               | 80µ in. minimum    |

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

For RoHS Compliant version, use PE3c0120LF-36. Contact Pasternack if product cannot be found.

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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 Right Angle with Times Connectors Cable 36 Inch Length Using LMR-195 Coax PE3C0120-36](#)



N Male to N Male Right Angle with Times Connectors  
Cable 36 Inch Length Using LMR-195 Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3C0120-36**

**How to Order**

Part Number Configuration:

**PE3C0120**

- **xx**

**uu**

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

Example: PE3C0120-12 = 12 inches long cable  
PE3C0120-100cm = 100 cm long cable

N Male to N Male Right Angle with Times Connectors Cable 36 Inch Length 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% availability and are part of the broadest selection in the industry.

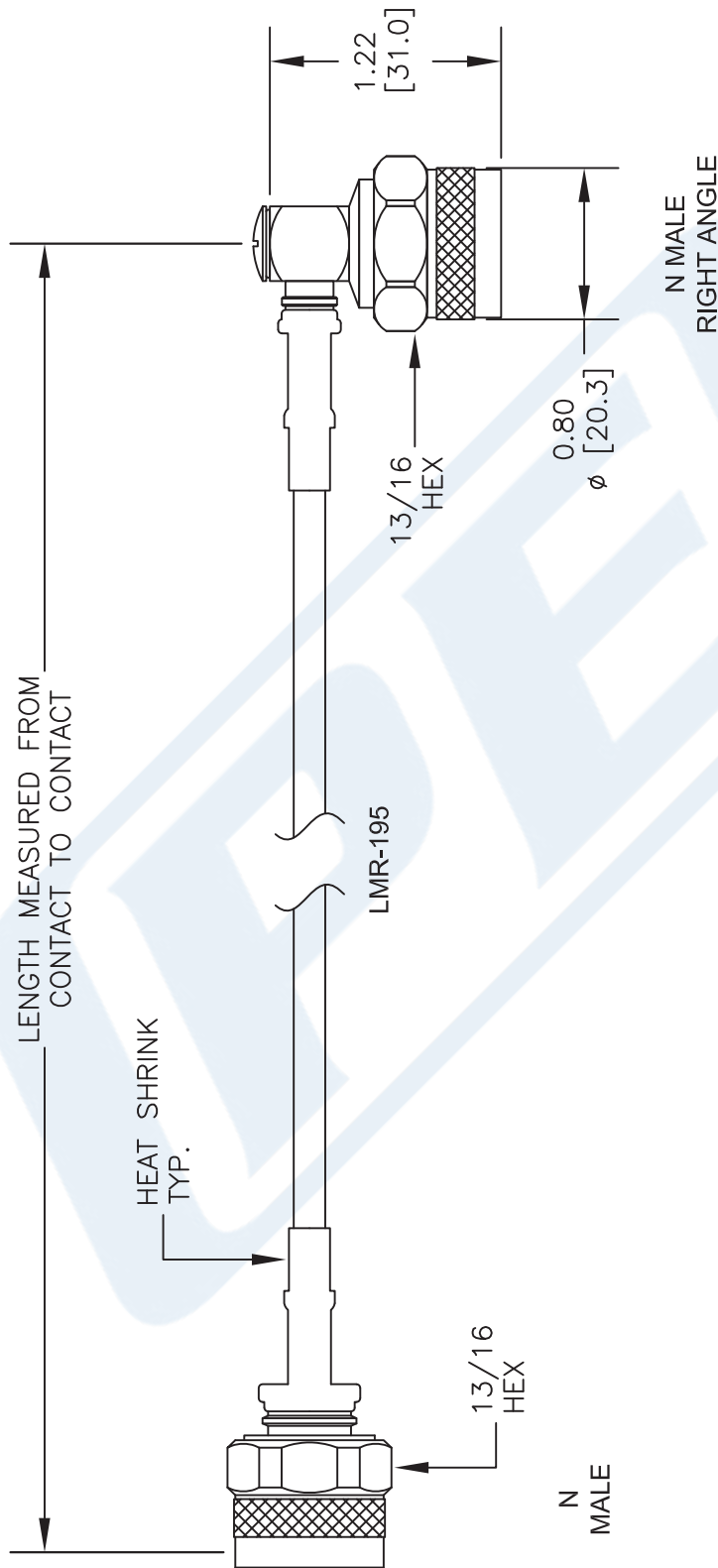
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URL: <http://www.pasternack.com/n-male-n-male-lmr195-cable-assembly-pe3c0120-36-p.aspx>

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.

# PE3C0120-36 CAD Drawing

N Male to N Male Right Angle with Times Connectors  
Cable 36 Inch Length Using LMR-195 Coax



DWG TITLE

PE3C0120

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.

FSCM NO. 53919

CAD FILE 050216

SCALE N/A

SIZE A

2233

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THE ENGINEER'S RF SOURCE

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