



Handheld RF Analyzer Rugged Phase Stable Cable N Male to  
N Female Cable 60 Inch Length Using PE-FF430 Coax, RoHS

## RF Cable Assemblies Technical Data Sheet

PE3C4004-60

### Configuration

- Connector 1: N Male
- Connector 2: N Female
- Cable Type: PE-FF430

### Features

- Excellent VSWR and Insertion Loss
- Excellent Amplitude and Phase Stability with Flexure
- Rugged Armor provides crush and torque resistance
- UV resistant jacket
- Each serialized assembly includes test data
- In stock and ready to ship



### Applications

- Field Testing
- Tower Measurements
- Base Station Analyzers
- Handheld Network Analyzers
- Portable Spectrum Analyzers
- Distance-To-Fault Measurements
- Site Maintenance

### Description

Pasternack's Handheld RF Analyzer Phase Stable cable assemblies are designed for use with portable and handheld network analyzers, spectrum analyzers and base station analyzers. These rugged portable analyzer cable assemblies offer a unique combination of low loss, phase stability, low VSWR and durability. The tough analyzer cable armor offers crush resistance, torque resistance, water resistance and UV resistance while still maintaining a high level of flexibility. These rugged handheld analyzer cable assemblies are compatible with Fieldfox®, Site Master, CellAdvisor® and Sitehawk® analyzers, supporting site maintenance, field testing, antenna testing and distance-to-fault measurements.

### Electrical Specifications

| Description                      | Minimum | Typical | Maximum | Units   |
|----------------------------------|---------|---------|---------|---------|
| Frequency Range                  | DC      |         | 9       | GHz     |
| VSWR                             |         |         | 1.2:1   |         |
| Phase Stability with Flexure     |         |         | 1.5     | Degrees |
| Amplitude Stability with Flexure |         |         | 0.1     | dB      |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Female Cable 60 Inch Length Using PE-FF430 Coax, RoHS PE3C4004-60](#)



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### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency             | 3    | 6    | 9    |    |    | GHz   |
| Insertion Loss (Max.) | 1.32 | 1.97 | 2.52 |    |    | dB    |
| Power Handling (Max.) | 277  | 215  | 150  |    |    | Watts |

Electrical Specification Notes:  
Values at 25°C, sea level.

### Mechanical Specifications

#### Cable Assembly

Length\* 60 in [152.4 cm]

#### Cable

Cable Type PE-FF430  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper, Silver  
Dielectric Type PTFE  
Number of Shields 6  
Shield Layer 1 Silver Plated Copper Tape  
Shield Layer 2 Metalized Polyimide  
Shield Layer 3 Silver Plated Copper Braid  
Jacket Material TPE  
Jacket Diameter 0.43 in [10.92 mm]

One Time Minimum Bend Radius 1.5 in [38.1 mm]  
Flat Plate Crush 1,200 lbs/in [21.43 Kg/mm]

#### Connectors

| Description                          | Connector 1                | Connector 2                |
|--------------------------------------|----------------------------|----------------------------|
| Type                                 | N Male                     | N Female                   |
| Impedance                            | 50 Ohms                    | 50 Ohms                    |
| Contact Material and Plating         | Beryllium Copper, Gold     | Beryllium Copper, Gold     |
| Dielectric Type                      | PTFE                       | PTFE                       |
| Outer Conductor Material and Plating |                            | Passivated Stainless Steel |
| Body Material and Plating            | Passivated Stainless Steel | Passivated Stainless Steel |
| Coupling Nut Material and Plating    | Passivated Stainless Steel |                            |

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### Mechanical Specification Notes:

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

Fieldfox® is a registered trademark of Keysight Technologies

CellAdvisor® is a registered trademark Viavi Solutions

SiteHawk® is a registered trademark of Bird Technologies

### Environmental Specifications

#### Temperature

Operating Range

-55 to +105 deg C

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

### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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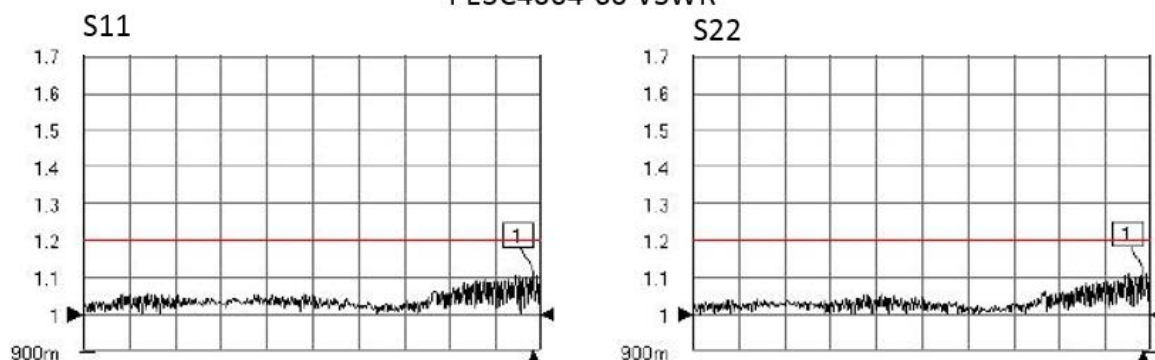
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### Typical Performance Data

#### PE3C4004-60 VSWR



#### PE3C4004-60 Insertion Loss (dB)



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PE3C4004-60

### How to Order

Part Number Configuration:

**PE3C4004**

**- xx**

**uu**

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

Example: PE3C4004-12 = 12 inches long cable  
PE3C4004-100cm = 100 cm long cable

Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Female Cable 60 Inch Length Using PE-FF430 Coax, RoHS 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.

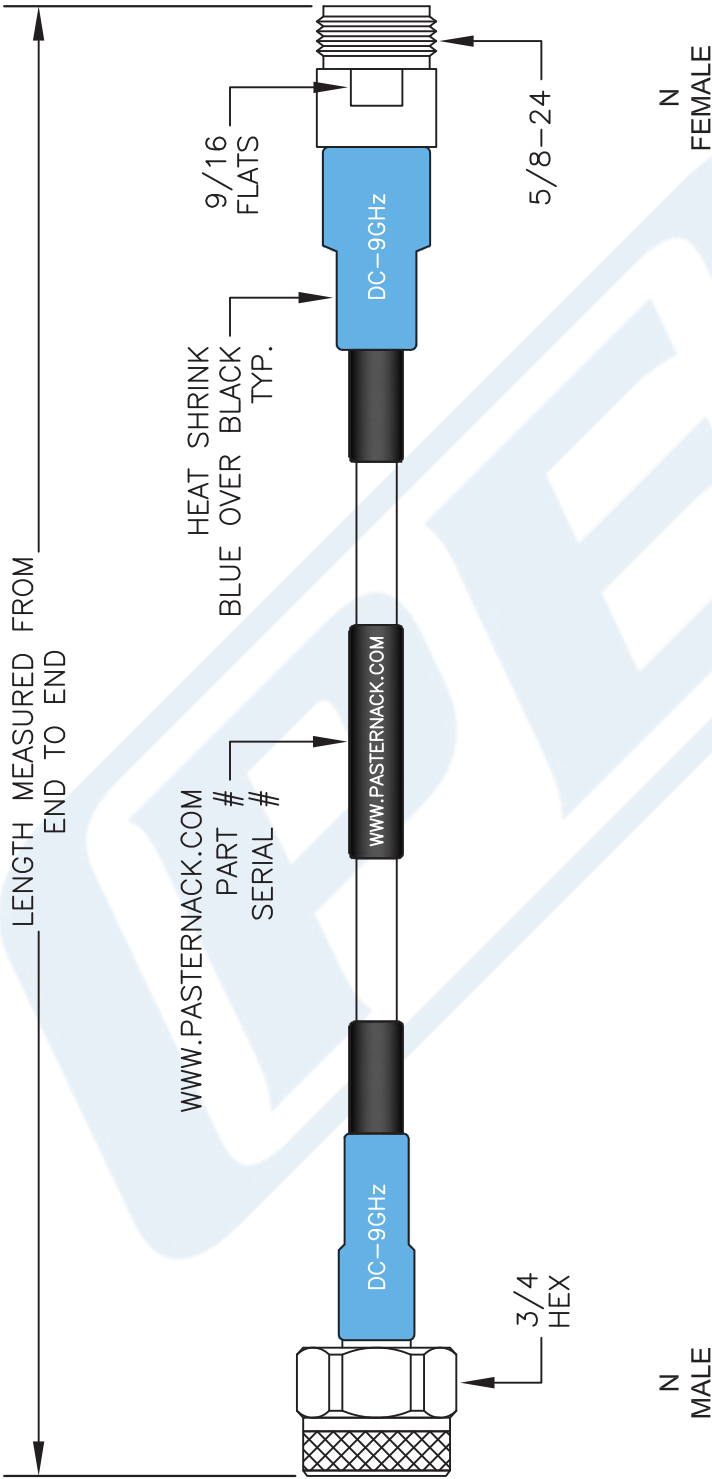
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Female Cable 60 Inch Length Using PE-FF430 Coax, RoHS PE3C4004-60](https://www.pasternack.com/n-male-n-female-pe-ff430-cable-assembly-pe3c4004-60-p.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.

PE3C4004-60 CAD Drawing

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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  $\pm 2\%$

|           |  |           |  |          |  |       |  |      |  |      |  |
|-----------|--|-----------|--|----------|--|-------|--|------|--|------|--|
| DWG TITLE |  | CAGE CODE |  | CAD FILE |  | SCALE |  | SIZE |  | 2233 |  |
| PE3C4004  |  | 53919     |  | 041717   |  | N/A   |  | A    |  |      |  |

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