



4.3-10 Male Right Angle to N Male Right Angle  
Low PIM Cable 24 Inch Length Using TFT-402 Coax Using  
Times Microwave Components

**RF Cable Assemblies Technical Data Sheet**

**PE3C8264-24**

**Configuration**

- Connector 1: 4.3-10 Male Right Angle
- Connector 2: N Male Right Angle
- Cable Type: TFT-402

**Features**

- Max Frequency 5.8 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > -80 dB
- 76% Phase Velocity
- Double Shielded
- FEP Jacket

**Applications**

- General Purpose
- Laboratory Use
- Low PIM Applications
- Indoor and Outdoor Use
- Plenum Rated Applications

**Description**

Pasternack's PE3C8264-24 4.3-10 male right angle to type N male right angle 24 inch cable using TFT-402 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 4.3-10 to type N cable assembly has a male to male gender configuration with 50 ohm flexible TFT-402 coax. The PE3C8264-24 4.3-10 male to type N male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The right angle 4.3-10 and right angle type N interfaces on the TFT-402 cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than -80 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Right Angle to N Male Right Angle Low PIM Cable 24 Inch Length Using TFT-402 Coax Using Times Microwave Components PE3C8264-24](#)



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### Electrical Specifications

| Description                   | Minimum | Typical     | Maximum | Units                            |
|-------------------------------|---------|-------------|---------|----------------------------------|
| Frequency Range               | DC      |             | 5.8     | GHz                              |
| VSWR                          |         |             | 1.4:1   |                                  |
| Velocity of Propagation       |         | 76          |         | %                                |
| RF Shielding                  | -80     |             |         | dB                               |
| Passive Intermodulation       |         |             | -160    | dBc                              |
| Capacitance                   |         | 26.7 [87.6] |         | pF/ft [pF/m]                     |
| DC Resistance Inner Conductor |         | 8.5 [27.89] |         | $\Omega$ /1000ft [ $\Omega$ /Km] |
| DC Resistance Outer Conductor |         | 5.6 [18.37] |         | $\Omega$ /1000ft [ $\Omega$ /Km] |

### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4   | F5   | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency             | 0.25 | 0.5  | 1    | 2.5  | 5.8  | GHz   |
| Insertion Loss (Typ.) | 0.26 | 0.33 | 0.42 | 0.61 | 0.88 | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1\*SQRT(FGHz) dB for the 4.3-10 connector and 0.1 dB for the N connector.

### Mechanical Specifications

#### Cable Assembly

|          |                    |
|----------|--------------------|
| Length*  | 24 in [609.6 mm]   |
| Diameter | 0.86 in [21.84 mm] |

#### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | TFT-402                    |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper, Silver             |
| Dielectric Type                      | PTFE                       |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Tinned Copper Braid        |
| Jacket Material                      | FEP, Blue                  |
| Jacket Diameter                      | 0.16 in [4.06 mm]          |

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One Time Minimum Bend Radius

0.75 in [19.05 mm]

**Connectors**

| Description                        | Connector 1             | Connector 2         |
|------------------------------------|-------------------------|---------------------|
| Type                               | 4.3-10 Male Right Angle | N Male Right Angle  |
| Impedance                          | 50 Ohms                 | 50 Ohms             |
| Mating Cycles                      | 500                     |                     |
| Contact Material and Plating       | Brass, Silver           | Brass, Silver       |
| Contact Plating Specification      | 200 µin                 | 5 µm                |
| Dielectric Type                    | PTFE                    | PTFE                |
| Body Material and Plating          | Brass, Tri-Metal        | Brass, Tri-Metal    |
| Body Plating Specification         | 80 µin                  | 3 µm                |
| Coupling Nut Material and Plating  | Brass, Tri-Metal        | Brass, Tri-Metal    |
| Coupling Nut Plating Specification | 80 µin                  | 3 µm                |
| Torque                             | 44 in-lbs [4.97 Nm]     | 10 in-lbs [1.13 Nm] |

**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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**PE3C8264-24**

**How to Order**

Part Number Configuration:

**PE3C8264**

- **xx**

**uu**

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

Example: PE3C8264-12 = 12 inches long cable  
PE3C8264-100cm = 100 cm long cable

4.3-10 Male Right Angle to N Male Right Angle Low PIM Cable 24 Inch Length Using TFT-402 Coax Using Times Microwave Components 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.

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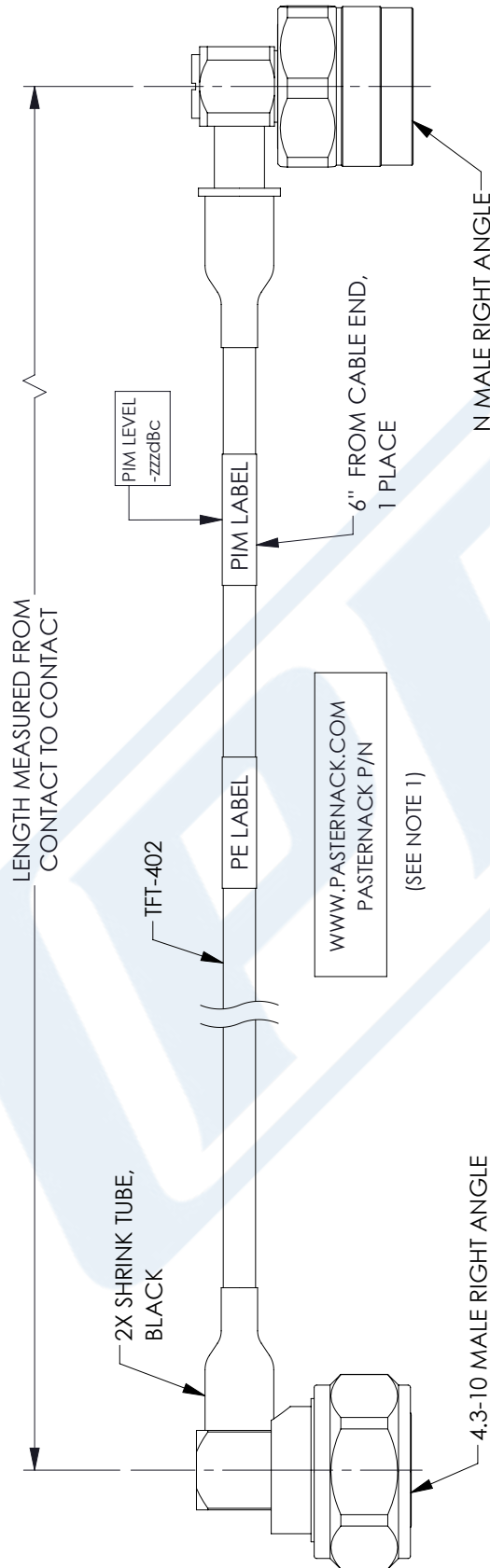
URL: <https://www.pasternack.com/4.3-10-male-n-male-tft-402-cable-assembly-pe3c8264-24-p.aspx>

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.

# PE3C8264-24 CAD Drawing

4.3-10 Male Right Angle to N Male Right Angle Low PIM Cable 24 Inch Length Using TFT-402 Coax Using Times Microwave Components

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 06/04/2021 | AGANWANI |



## NOTES:

1. CABLES 84" AND UNDER HAVE 1 LABEL CENTERED.  
CABLES OVER 84" HAVE 2 LABELS, ONE AT EACH END  
12.0" FROM THE FRONT OF THE CONNECTOR.

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| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS<br>TOLERANCES:<br>.X = ± .2 [ .08]<br>.XX = ± .02 [ .51]<br>.XXX = ± .005 [ .13]<br>ANGLES ± 1°<br>CABLE LENGTH (L) TOLERANCES:<br>L ≤ 12 [305] = ± 1 [25] / -0<br>12 [305] < L ≤ 60 [1524] = +2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0<br>300 [7620] < L = +5%L / -0<br>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | SIZE A<br>CAGE CODE 53919<br>DRAWN BY MVEERAPPAN | ITEM NO. PE3C8264<br>REV A                                                                                                                                                                                                                                      |  |