

4.3-10 Female Bulkhead to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax with HeatShrink

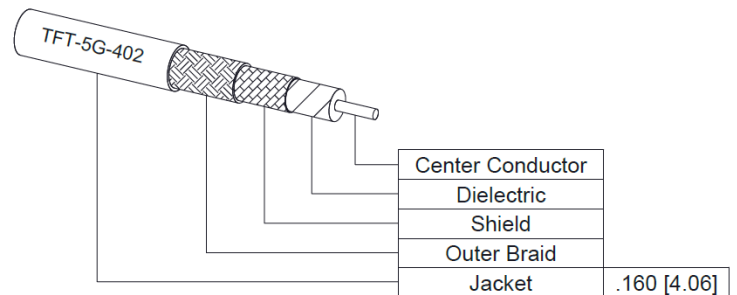
PE3W13744/HS

Configuration

- Connector 1: 4.3-10 Female Bulkhead
- Connector 2: NEX10 Male
- Cable Type: TFT-5G-402
- Coax Flex Type: Flexible

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

Description

Pasternack's PE3W13744/HS 4.3-10 female bulkhead to NEX10 male cable using TFT-5G-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 NEX10 cable assembly has a female to male gender configuration with 50 ohm flexible TFT-5G-402 coax. The PE3W13744/HS 4.3-10 female to NEX10 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. Our RF cable assembly with 4.3-10 bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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.

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 |

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Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------|---------|-------------|---------|--------------|
| Capacitance | | 26.7 [87.6] | | pF/ft [pF/m] |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|----------|----------|----------|----------|----------|-------|
| Frequency | 0.25 | 0.5 | 1 | 2.5 | 5.8 | GHz |
| Insertion Loss (Max.) | 1.043887 | 1.081931 | 1.111241 | 1.188768 | 1.294993 | dB/ft |
| | 3.42 | 3.55 | 3.65 | 3.9 | 4.25 | dB/m |

Mechanical Specifications

Cable Assembly

| | |
|----------------|--------------------|
| Width/Diameter | 0 in [0 mm] |
| Weight | 0.06 lbs [27.22 g] |

Cable

| | |
|--|--------------------|
| Cable Type | TFT-5G-402 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper |
| Dielectric Type | PTFE |
| Number of Shields | 2 |
| Shield Layer 1 | Tin |
| Outer Conductor 1 Material and Plating | Copper, Tin |
| Jacket Material | FEP, Blue |
| Jacket Diameter | 0.16 in [4.06 mm] |
| One Time Minimum Bend Radius | 0.75 in [19.05 mm] |

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Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------------|-------------------------|------------------|
| Type | 4.3-10 Female Bulkhead | NEX10 Male |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Mating Cycles | 500 | 100 |
| Contact Material and Plating | Phosphor Bronze, Silver | Brass, Silver |
| Contact Plating Specification | 200 µin | 100 µin |
| Dielectric Type | PTFE | PTFE |
| Outer Conductor Material and Plating | Brass, Tri-Metal | |
| Outer Conductor Plating Specification | 80 µin | |
| Body Material and Plating | Brass, Tri-Metal | Brass, Silver |
| Body Plating Specification | 80 µin | 100 µin |
| Coupling Nut Material and Plating | | Brass, Tri-Metal |
| Coupling Nut Plating Specification | | 100 µin |
| Torque | | 9 in-lbs 1.02 Nm |

Environmental Specifications

Operating Range Temperature -40 to +85 deg C

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

Plotted and Other Data

Notes:

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PE3W13744/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3W13744/HS

- XX

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- Unit of Measure:

cm = Centimeters

<blank> = Inches

- Length

- Base Number

Example: PE3W13744/HS-12 = 12 inches long cable
PE3W13744/HS-100cm = 100 cm long cable

4.3-10 Female Bulkhead to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax with HeatShrink 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: [4.3-10 Female Bulkhead to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax with HeatShrink PE3W13744/HS](#)

URL: <https://www.pasternack.com/4.3-10-female-bulkhead-to-nex10-male-low-pim-cable-using-tft-5g-402-with-heatshrink-pe3w13744-hs-p.aspx>

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