

## 4.3-10 Male to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax

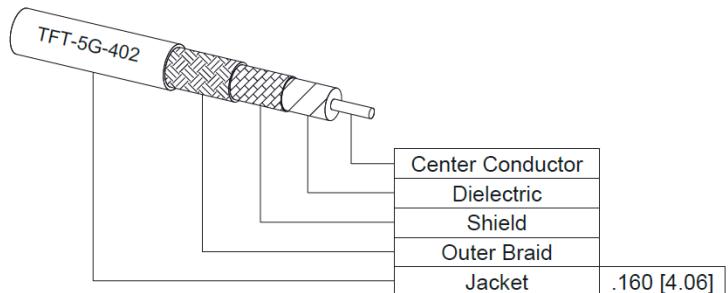
### PE3W13090

#### Configuration

- Connector 1: 4.3-10 Male
- 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 PE3W13090 4.3-10 male 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 male to male gender configuration with 50 ohm flexible TFT-5G-402 coax. The PE3W13090 4.3-10 male 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. 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

## 4.3-10 Male to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax

### PE3W13090

#### 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]

## 4.3-10 Male to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax

### PE3W13090

#### Connectors

Description	Connector 1	Connector 2
Type	4.3-10 Male	NEX10 Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	100
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	200 $\mu$ in	100 $\mu$ in
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Silver
Body Plating Specification	80 $\mu$ in	100 $\mu$ in
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	80 $\mu$ in	100 $\mu$ in
Torque	44 in-lbs 4.97 Nm	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:

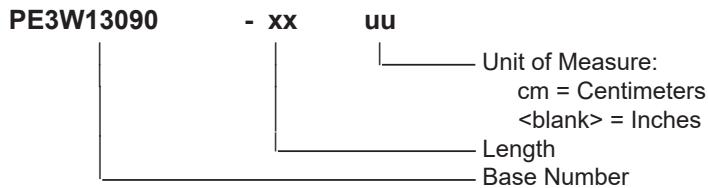
## 4.3-10 Male to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax

### PE3W13090

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3W13090-12 = 12 inches long cable  
PE3W13090-100cm = 100 cm long cable

4.3-10 Male to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax 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 Male to NEX10 Male Low PIM Cable Using TFT-5G-402 Coax PE3W13090](#)

URL: <https://www.pasternack.com/4.3-10-male-to-nex10-male-low-pim-cable-using-tft-5g-402-pe3w13090-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.