



75 Ohm F Male to 75 Ohm F Female Bulkhead Cable
24 Inch Length Using 75 Ohm RG179 Coax

RF Cable Assemblies Technical Data Sheet

PE3C5570-24

Configuration

- Connector 1: F Male
- Connector 2: F Female Bulkhead
- Cable Type: RG179

Features

- Max Frequency 1 GHz
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C5570-24 75 ohm type F male to 75 ohm type F female bulkhead 24 inch cable using 75 ohm RG179 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 type F to type F cable assembly has a male to female gender configuration with 75 ohm flexible RG179 coax. The PE3C5570-24 type F male to type F female cable assembly operates to 1 GHz. Our RF cable assembly with type F 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.

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 | | 1,000 | MHz |
| VSWR | | | 1.35:1 | |
| Capacitance | | 23 [75.46] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

| | |
|----------|---------------------|
| Length* | 24 in [609.6 mm] |
| Diameter | 0.509 in [12.93 mm] |

Cable

| | |
|----------------------|----------|
| Cable Type | RG179 |
| Impedance | 75 Ohms |
| Inner Conductor Type | Stranded |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male to 75 Ohm F Female Bulkhead Cable 24 Inch Length Using 75 Ohm RG179 Coax PE3C5570-24](#)



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| | |
|--------------------------------------|----------------------------|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.1 in [2.54 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|--------------------|-----------------------|
| Type | F Male | F Female Bulkhead |
| Impedance | 75 Ohms | 75 Ohms |
| Contact Material and Plating | Brass, Gold | Phosphor Bronze, Gold |
| Contact Plating Specification | | 30μ in. minimum |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100μ in. minimum | 100μ in. minimum |
| Coupling Nut Material and Plating | Brass, Nickel | |
| Coupling Nut Plating Specification | 100μ in. minimum | |
| Hex Size | 7/16 in | |
| Torque | 15 in-lbs [1.7 Nm] | |

Mechanical Specification Notes:

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

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE3C5570

- **xx**

uu

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

Example: PE3C5570-12 = 12 inches long cable
PE3C5570-100cm = 100 cm long cable

75 Ohm F Male to 75 Ohm F Female Bulkhead Cable 24 Inch Length Using 75 Ohm RG179 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.

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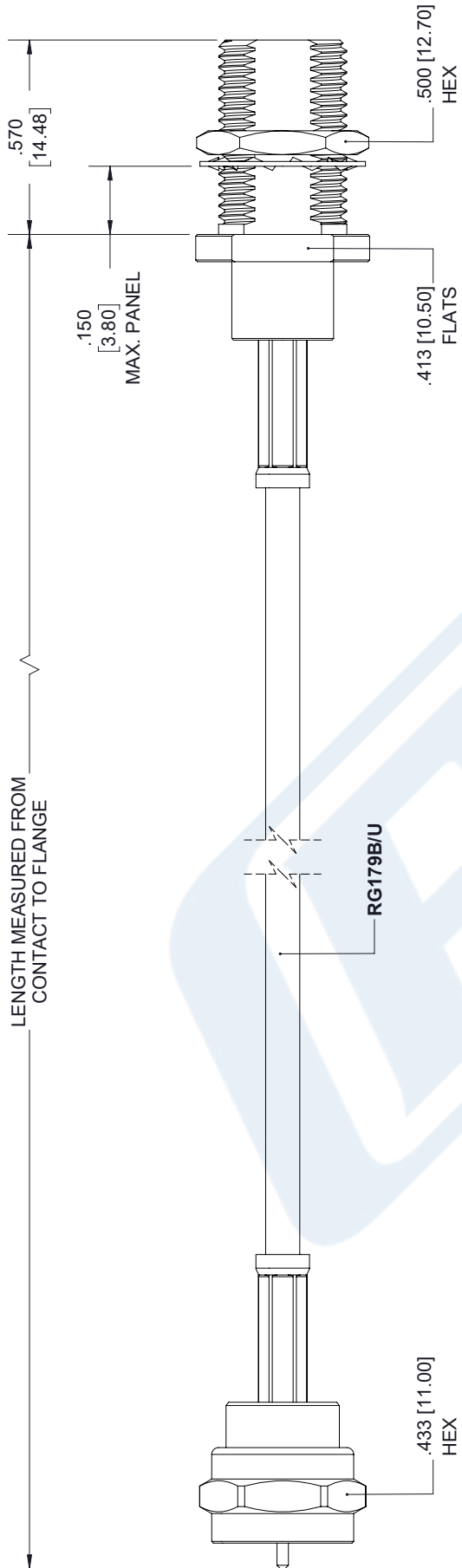
URL: <https://www.pasternack.com/f-male-f-female-rg179bu-cable-assembly-pe3c5570-24-p.aspx>

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.

PE3C5570-24 CAD Drawing

75 Ohm F Male to 75 Ohm F Female Bulkhead Cable

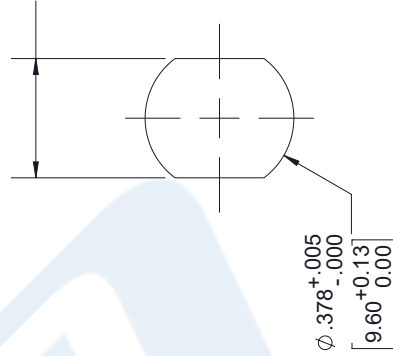
24 Inch Length Using 75 Ohm RG179 Coax



**F FEMALE
BULKHEAD**

**F STRAIGHT
MALE**

.303^{+0.005}
-0.000
[7.70^{+0.13}
0.00]



MOUNTING HOLE

STANDARD TOLERANCES

.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE3C5570

CAGE CODE 53919

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].

CAD FILE 07/19/18

SCALE N/A

SIZE A

7361