

## Flexible Version of 086 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket

### TECHNICAL DATA SHEET

PE-P086

Flexible Version of 086 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket

#### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Tape, Silver Plated Copper Braid
Jacket Material and Color	FEP, Blue

#### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	70
Maximum Operating Frequency, GHz	61
RF Shielding, dB	110
Capacitance, pF/ft [pF/m]	29.4 [96.46]

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	14 [45.93]

##### Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	23 [75.46]

##### Frequency 3

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	32 [104.99]

##### Frequency 4

Frequency, GHz	2.4
Attenuation, dB/100ft [dB/100m]	35 [114.83]

##### Frequency 5

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	39 [127.95]

##### Frequency 6

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	52 [170.6]

##### Frequency 7

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	80 [262.47]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible Version of 086 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket PE-P086](#)

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.

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#### Frequency 8

Frequency, GHz	18
Attenuation, dB/100ft [dB/100m]	110 [360.89]

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-55 to +200
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##### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

##### Dielectric:

Type	PTFE
Diameter, in [mm]	0.064 [1.63]

##### Shield:

Number of	2
Material 1	Silver Plated Copper Tape
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.086 [2.18]

##### Jacket:

Material	FEP
Diameter, in [mm]	0.104 [2.64]
Color	Blue
Weight, lbs/ft [Kg/m]	0.013 [0.02]

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

Flexible Version of 086 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

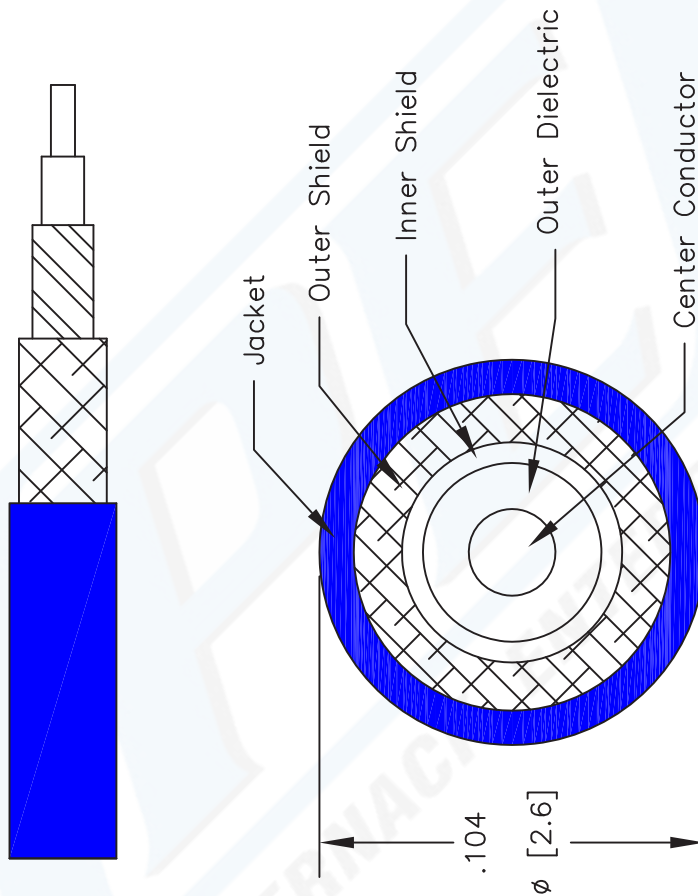
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URL: <http://www.pasternack.com/precision-0.104-semirigid-replacement-50-ohm-coax-cable-fep-jacket-pe-p086-p.aspx>

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# PE-P086 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].

DWG TITLE  
**PE-P086**

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REV. C

FSCM NO. 53919

CAD FILE 040512

SCALE N/A

SIZE A

2233