



Flexible Version of 141 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket

TECHNICAL DATA SHEET

PE-P141

Flexible Version of 141 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	18
Cutoff Frequency, GHz	34
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]	7.1 [23.29]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	11.2 [36.75]

Frequency 3

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	16.5 [54.13]

Frequency 4

Frequency, GHz	2.4
Attenuation, dB/100ft [dB/100m]	18 [59.06]

Frequency 5

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	21 [68.9]

Frequency 6

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	27 [88.58]

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 141 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket PE-P141](#)

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 7

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	41 [134.51]

Frequency 8

Frequency, GHz	18
Attenuation, dB/100ft [dB/100m]	58 [190.29]

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]	0.037 [0.94]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.117 [2.97]

Shield:

Number of	2
Material 1	Silver Plated Copper Tape
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.141 [3.58]

Jacket:

Material	FEP
Diameter, in [mm]	0.163 [4.14]
Color	Blue
Weight, lbs/ft [Kg/m]	0.028 [0.04]

Compliance Certifications (visit 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 141 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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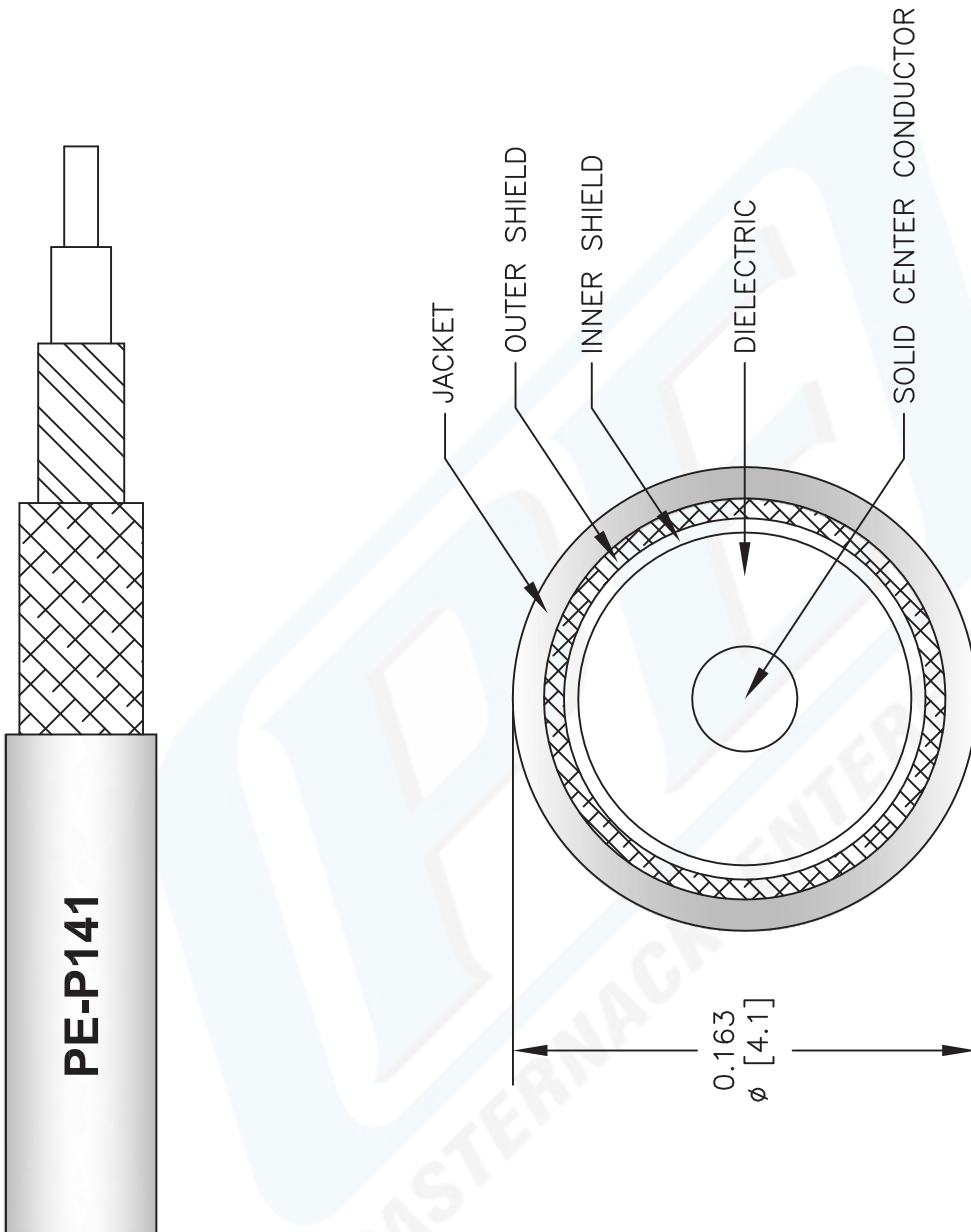
URL: <http://www.pasternack.com/precision-0.163-semirigid-replacement-50-ohm-coax-cable-fep-jacket-pe-p141-p.aspx>

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PE-P141 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-P141

FSCM NO. 53919

CAD FILE 111612-B

SCALE N/A

SIZE A

2233

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