

SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using PE-P141 Coax, LF Solder

PE351-12

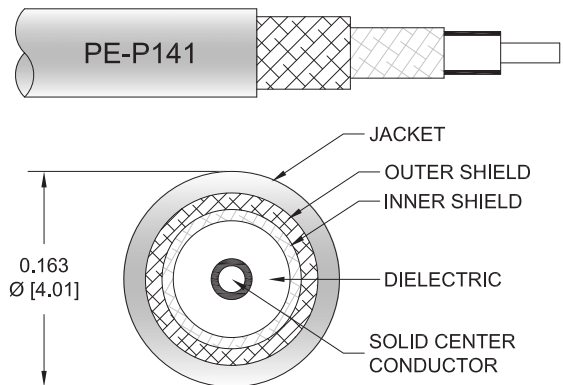


Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-P141
- Coax Flex Type: Flexible

Features

- Max Frequency 18 GHz
- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE351-12 SMA male to SMA male right angle 12 inch cable using PE-P141 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 SMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible PE-P141 coax. The PE351-12 SMA male to SMA male cable assembly operates to 18 GHz. The right angle SMA interface on the PE-P141 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 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		18	GHz
VSWR			1.4:1	
Insertion Loss			0.75	dB
Velocity of Propagation		70		%
RF Shielding	110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input Power (Peak)			0.55	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	6	12	18			GHz
Insertion Loss (Typ.)	0.4	0.6	0.75			dB
VSWR (Max.)	1.15:1	1.3:1	1.4:1			

Electrical Specification Notes:

Short lengths up to 12" long may exhibit VSWR measurements up to 9% higher.

Mechanical Specifications

Cable Assembly

Width/Diameter	0.74 in [18.8 mm]
Weight	0.13 lbs [58.97 g]

Cable

Cable Type	PE-P141
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Outer Conductor 1 Material and Plating	Copper, Silver
Jacket Material	FEP, Blue
Jacket Diameter	0.163 in [4.14 mm]
One Time Minimum Bend Radius	0.8 in [20.32 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs 0.9 Nm	8 in-lbs 0.9 Nm

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Environmental Specifications

Operating Range Temperature -55 to +200 deg C

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

Typical Performance Data

How to Order

Part Number Configuration:

PE351 **- xx** **uu**

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Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE351-12 = 12 inches long cable
PE351-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using PE-P141 Coax, LF Solder 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: [SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using PE-P141 Coax, LF Solder PE351-12](#)

URL: <https://www.pasternack.com/sma-male-sma-male-pe-p141-cable-assembly-pe351-12-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.

PE351-12 CAD Drawing
SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using PE-P141 Coax, LF Solder

