



## SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using 150 Series Coax, RoHS

### TECHNICAL DATA SHEET

PE35418-12

#### SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using 150 Series Coax, RoHS

##### Configuration

Connector 1	SMA Male
Connector 2	SMA Male Right Angle
Cable Type	150 Series

##### Electrical Specifications

Frequency Range, GHz	DC to 26.5
Impedance, Ohms	50
Maximum VSWR	1.4:1
Velocity of Propagation, %	69.5
RF Shielding, dB	90
Maximum Operating Voltage, Vrms	1,900

##### Typical Electrical Specifications

###### Frequency 1

Frequency, GHz	2
VSWR	1.07:1
Insertion Loss	0.2 dB/ft [ 0.66 dB/m ]

###### Frequency 2

Frequency, GHz	6
VSWR	1.14:1
Insertion Loss	0.3 dB/ft [ 0.98 dB/m ]

###### Frequency 3

Frequency, GHz	10
VSWR	1.25:1
Insertion Loss	0.41 dB/ft [ 1.35 dB/m ]

###### Frequency 4

Frequency, GHz	14
VSWR	1.32:1
Insertion Loss	0.52 dB/ft [ 1.71 dB/m ]

###### Frequency 5

Frequency, GHz	18
VSWR	1.32:1
Insertion Loss	0.64 dB/ft [ 2.1 dB/m ]

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 150 Series Coax, RoHS PE35418-12](#)

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 6**

Frequency, GHz	22
VSWR	1.35:1
Insertion Loss	0.75 dB/ft [ 2.46 dB/m ]

**Frequency 7**

Frequency, GHz	26.5
VSWR	1.4:1
Insertion Loss	0.78 dB/ft [ 2.56 dB/m ]

Electrical Specification Notes:

Short lengths up to 24" long may exhibit VSWR measurements up to 9% higher.

**Mechanical Specifications**

**Cable Assembly**

Cable Type	150 Series
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**Temperature**

Temperature Operating Range, deg C	-50 to +205
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**Size**

Length, in [mm]	12 [304.8]
One Time Minimum Bend Radius, in [mm]	1 [25.4]

**Cable**

Center Conductor Type	Solid
Cable Inner Conductor	Copper Clad Steel, Silver
No of Shields	1
Dielectric Type	PTFE
Jacket Material	FEP
Jacket Diameter, in [mm]	0.15 [3.81]

**Connector 1**

Type	SMA Male
Configuration	Straight
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

**Connector 2**

Type	SMA Male Right Angle
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Configuration	Right Angle
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Coupling Nut Material and Plating	Passivated Stainless Steel
Hex Size, in.	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel
Dielectric Type	PTFE

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant Yes

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

SMA Male to SMA Male Right Angle Precision Cable 12 Inch Length Using 150 Series Coax, RoHS 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.

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 150 Series Coax, RoHS PE35418-12](http://www.pasternack.com/sma-male-sma-male-150-series-cable-assembly-pe35418-12-p.aspx)

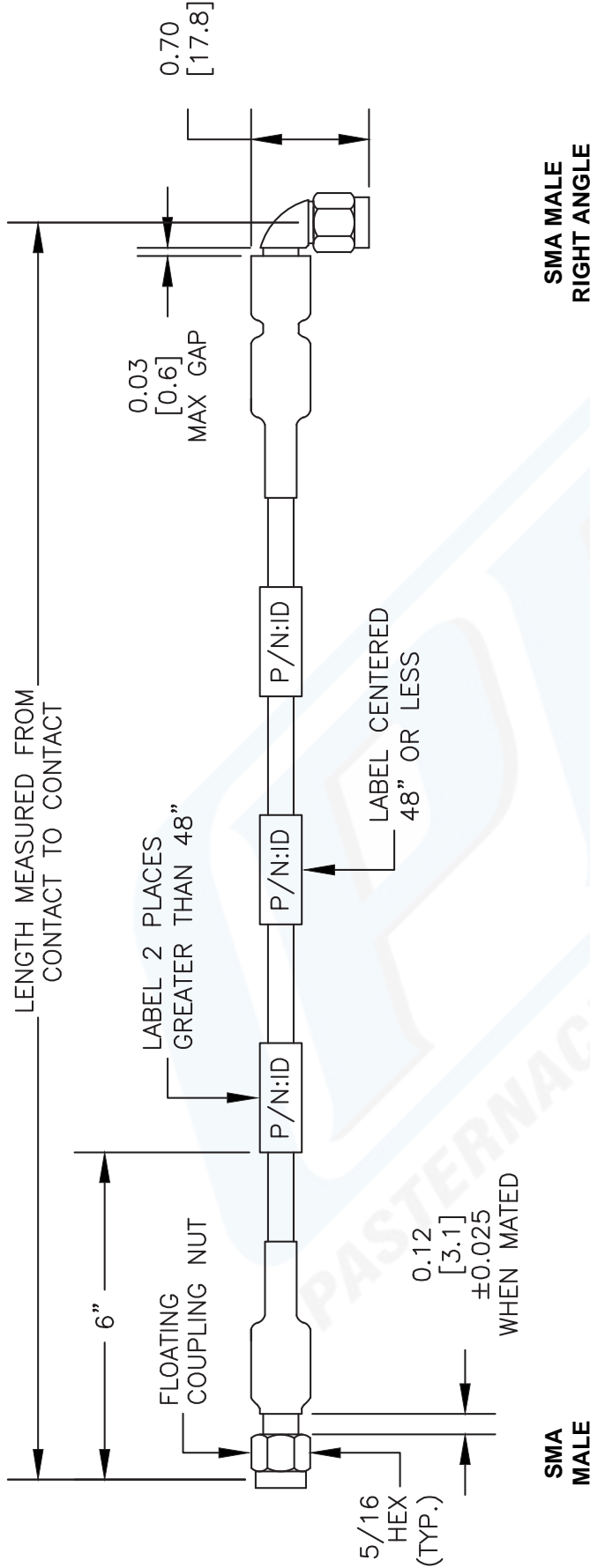
URL: <http://www.pasternack.com/sma-male-sma-male-150-series-cable-assembly-pe35418-12-p.aspx>

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# PE35418-12 CAD Drawing

## SMA Male to SMA Male Right Angle Precision Cable

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Part Number Configuration		How To Order		Part # Ext.		Length In Inches		Part # Ext.		Length In Centimeters	
PE3	zzz yy - xx uu	Examples		-12	12"	-25CM	25Cm				
00 - 99999		PE3000LF-100		-24	24"	-50CM	50Cm				
LF = RoHS Compliant		PE3000-100		-36	36"	-75CM	75Cm				
< Blank > = Standard		PE3000LF-100CM		-48	48"	-100CM	100Cm				
Note: LF applies only to RF cables		PE3000-100CM		-60	60"	-125CM	125Cm				
				-xx	Custom Length	-xxCM	Custom Length				

**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].  
 4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE  
**PE35418**

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