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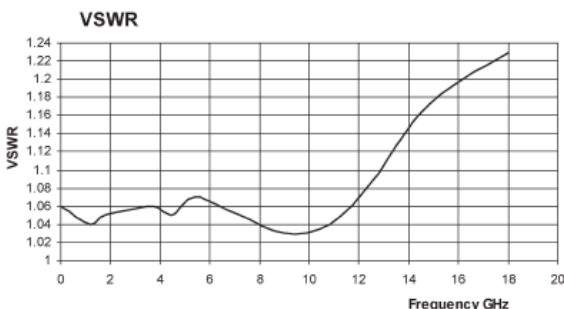
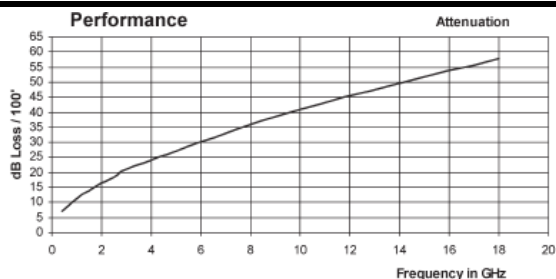
## 18 GHz Test Cable Assemblies

### Product Features

- Stainless Steel connectors
- Reinforced connector back shell
- Molded strain relief boot
- Triple Shield cable
- RoHS Compliant

### Description

The 18 GHz test cable series offers a reinforced cable/connector interface with a molded, heavy-duty strain relief boot to minimize interface stress in demanding test environments. Its triple-shield cable design ensures excellent RF shielding of >100dB. The Right Angle connector designs utilize a swept coaxial transition for improved high frequency performance.



**PE300 - SMA Male to SMA Male**



**PE301 - SMA Male to Right Angle SMA Male**



**PE302 - N Male to N Male**



**PE303 - N Male to Right Angle N Male**



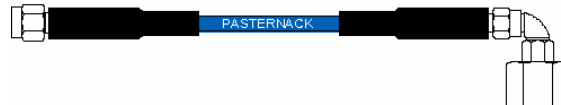
**PE304 - SMA Male to N Male**



**PE306 - SMA Female to N Male**



**PE308 - SMA Male to TNC Male**



**PE309 - SMA Male to Right Angle TNC Male**

### Electrical Specifications <sup>(1)</sup>

Parameter	Units	Value	Description
Impedance	ohms	50Ω	
Frequency	GHz	18	
Insertion Loss	dB	<0.7	Per foot at 18 GHz
VSWR		<1.25	At 18 GHz
Max Operating Voltage	V	1000	RMS
Nominal Capacitance	pF / ft.	29.4	
Velocity of Propagation	%	70	
RF Shielding	dB	>100 min.	Triple shield design

(1) Pasternack reserves the right to change specifications or information without notice.



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## 18 GHz Test Cable Assemblies

### Mechanical Specifications <sup>(1)</sup>

Parameter	Units	Value	Description
Connector A		Stainless Steel	N, SMA, TNC
Connector B		Stainless Steel	N, SMA, TNC
Minimum bend radius	in.	0.75	
Operating Temperature	C	-65° to +125°	
Weight	oz / ft	0.47	
Inner Conductor diameter	in.	0.035	Silver plated Cu Clad Steel
Outer Conductor diameter	in.	0.116	Silver plated Cu Braid and Tape
Jacket diameter	in.	0.163	FEP

### Standard Lengths

P/N	Connector 1	Connector 2	Length (in.)						
			24	30	36	48	60	72	120
PE300	SMA Male	SMA Male	X	X	X	X	X	X	X
PE301	SMA Male	R/A SMA Male	X	X	X	X	X	X	X
PE302	N Male	N Male	X	X	X	X	X	X	X
PE303	N Male	R/A N Male	X	X	X	X	X	X	X
PE304	SMA Male	N Male	X	X	X	X	X	X	X
PE306	SMA Female	N Male	X	X	X	X	X	X	X
PE308	SMA Male	TNC Male	X	X	X	X	X	X	X
PE309	SMA Male	R/A TNC Male	X	X	X	X	X	X	X

### Standard Lengths

Orders placed before 3:30 PM PST are available for same-day shipping, subject to quantity limitations at time of purchase.

Note: **Custom-length** cable assemblies may be ordered online at [www.pasternack.com](http://www.pasternack.com), or by placing an order with the factory. We ship custom-length cable assemblies within 3 business days ARO (after receipt of order). 3-day shipment is subject to material limitations at time of purchase.

### Creating a Cable Assembly P/N

The cable assembly length is identified by its length in inches following the part number dash (-).

Note: Cable lengths are measured from connector center conductor tip to connector center conductor tip.

**Part Number – length in inches**  
**PExxx – xx**

#### Example

The following example is a 6 inch, PE300 cable assembly.

**PE300-6**