



## N Male to N Male Precision Cable 18 Inch Length Using 165 Series Coax, RoHS

### TECHNICAL DATA SHEET

PE35028-18

#### N Male to N Male Precision Cable 18 Inch Length Using 165 Series Coax, RoHS

##### Configuration

Connector 1	N Male
Connector 2	N Male
Cable Type	165 Series

##### Electrical Specifications

Frequency Range, GHz	DC to 18
Impedance, Ohms	50
Maximum VSWR	1.4:1
Velocity of Propagation, %	69.5
RF Shielding, dB	90
Maximum Operating Voltage, Vrms	1,900

##### Typical Performance by Frequency

###### Frequency 1

Frequency, GHz	2
VSWR	1.03:1
Insertion Loss	0.21 dB/ft [ 0.69 dB/m ]

###### Frequency 2

Frequency, GHz	6
VSWR	1.08:1
Insertion Loss	0.31 dB/ft [ 1.02 dB/m ]

###### Frequency 3

Frequency, GHz	10
VSWR	1.12:1
Insertion Loss	0.4 dB/ft [ 1.31 dB/m ]

###### Frequency 4

Frequency, GHz	14
VSWR	1.18:1
Insertion Loss	0.5 dB/ft [ 1.64 dB/m ]

###### Frequency 5

Frequency, GHz	18
VSWR	1.3:1
Insertion Loss	0.6 dB/ft [ 1.97 dB/m ]

##### Electrical Specification Notes:

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Male Precision Cable 18 Inch Length Using 165 Series Coax, RoHS PE35028-18](#)

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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#### Mechanical Specifications

##### Cable Assembly

Cable Type 165 Series

##### Temperature

Temperature Operating Range, deg C -50 to +205

##### Size

Length, in [mm] 18 [457.2]

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

##### Cable

Center Conductor Type Solid  
 Cable Inner Conductor Beryllium Copper, Silver  
 No of Shields 3  
 Dielectric Type PTFE  
 Jacket Material FEP  
 Jacket Diameter, in [mm] 0.165 [4.19]

##### Connector 1

Type N Male  
 Configuration Straight  
 Inner Conductor Material and Plating Gold  
 Coupling Nut Material and Plating Passivated Stainless Steel  
 Body Material and Plating Passivated Stainless Steel  
 Dielectric Type PTFE

##### Connector 2

Type N Male  
 Configuration Straight  
 Inner Conductor Material and Plating Gold  
 Coupling Nut Material and Plating Passivated Stainless Steel  
 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

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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

N Male to N Male Precision Cable 18 Inch Length Using 165 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.

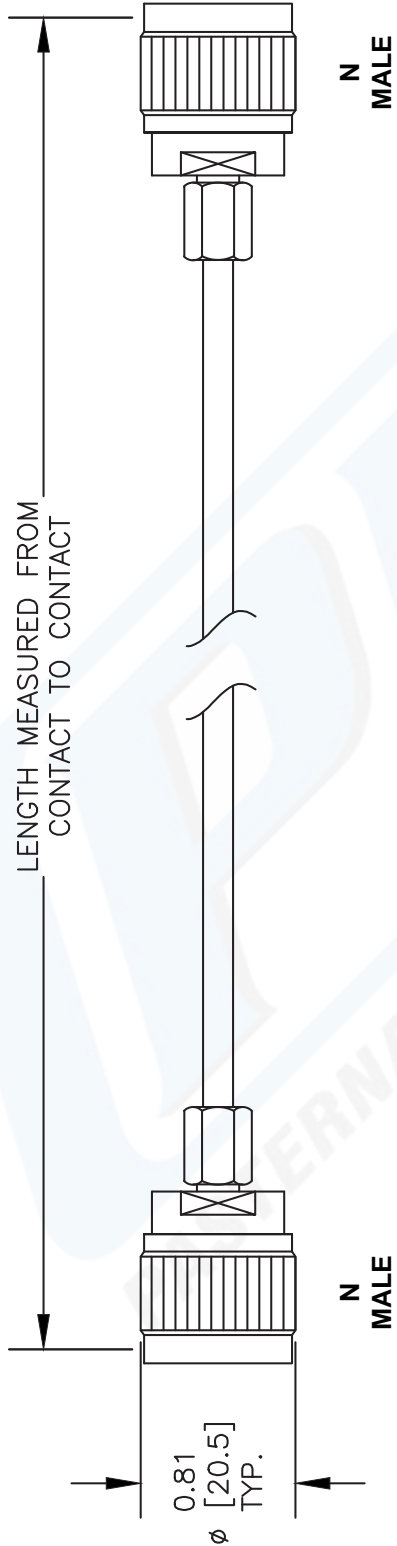
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URL: <http://www.pasternack.com/n-male-n-male-165-non-magnetic-series-cable-assembly-pe35028-18-p.aspx>

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# PE35028-18 CAD Drawing

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Part Number Configuration		How To Order	
PE3	zzz yy - xx uu	Part # Ext.	Length In Inches
00 - 99999		-12	12"
LF = RoHS Compliant		-24	24"
< Blank > = Standard		-36	36"
Note: LF applies only to RF cables		-48	48"
		-60	60"
		-xx	Custom Length
			Length
			CM = Centimeters
			< Blank > = Inches
			Examples
			PE3000LF-100
			PE3000-100
			PE3000LF-100CM
			PE3000-100CM
			Part # Ext.
		-25CM	25Cm
		-50CM	50Cm
		-75CM	75Cm
		-100CM	100Cm
		-125CM	125Cm
		-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  
**PE35028**

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FSCM NO. 53919	CAD FILE 030508	SCALE N/A	SIZE A	XXXX
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