



## HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

### RF Connectors Technical Data Sheet

**PE4476**

#### Configuration

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG17, RG218, RG219

#### Features

- Max. Operating Frequency 4 GHz
- Silver over Copper Plated Brass Contact
- Contact plating according to QQ-S-365

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4476 HN male connector with clamp/solder attachment for RG17, RG218 and RG219 is part of our full line of RF components available for same-day shipping. Our HN male connector operates up to a maximum frequency of 4 GHz.

Our HN male connector PE4476 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	2.6 in [66.04 mm]
Width/Dia.	1.31 in [33.27 mm]
Weight	0.373 lbs [169.19 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](#)



## HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

### RF Connectors Technical Data Sheet

**PE4476**

#### Material Specifications

Description	Material	Plating
Contact	Brass	Silver over Copper QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](#)



## HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

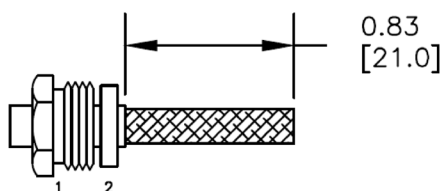
### RF Connectors Technical Data Sheet

**PE4476**

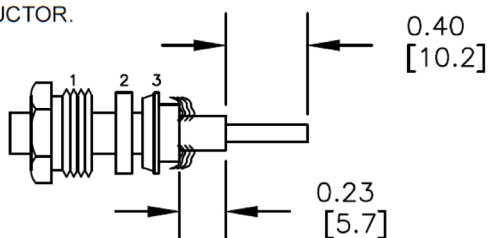
#### Assembly Instruction

##### ASSEMBLY PROCEDURES

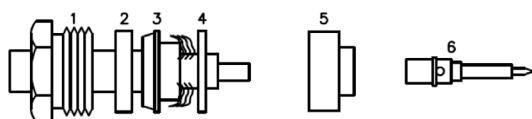
1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (3) SLIDE BRAID CLAMP (3) OVER BRAID & SEAT AGAINST JACKET.



2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SLIDE WASHER (4) OVER DIELECTRIC AND SEAT AGAINST BRAID. SLIDE PTFE (5) OVER DIELECTRIC AND CENTER CONDUCTOR, SEAT AGAINST WASHER. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](#)



## HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

### RF Connectors Technical Data Sheet

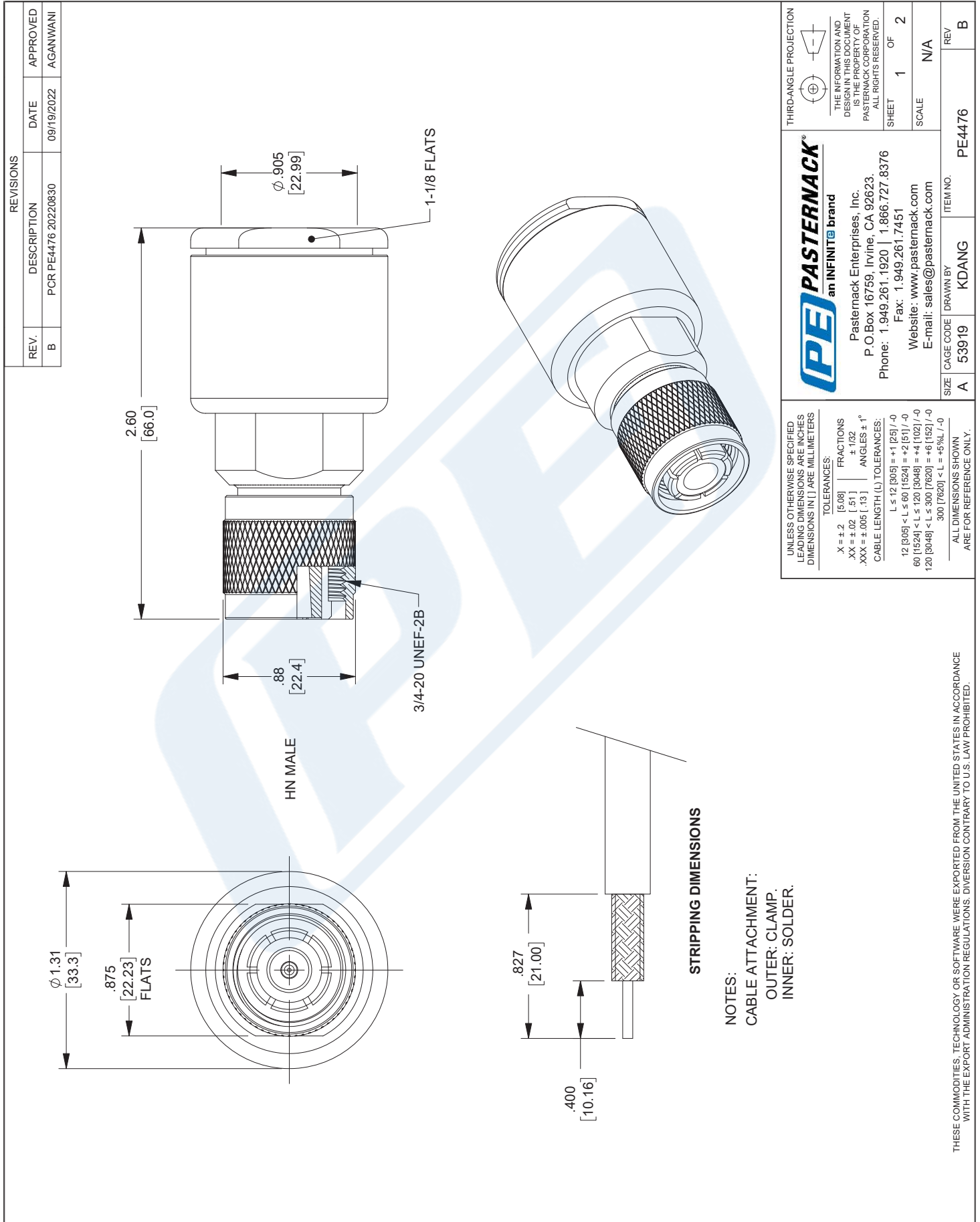
**PE4476**

HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 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: [HN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE4476](https://www.pasternack.com/hn-male-standard-rg17-rg218-connector-pe4476-p.aspx)

URL: <https://www.pasternack.com/hn-male-standard-rg17-rg218-connector-pe4476-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.





## 7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

### RF Connectors Technical Data Sheet

PE44277

#### Configuration

- 7/16 DIN Male Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG17, RG218, RG219
- 1 1/4 inch Hex

#### Features

- Max. Operating Frequency 7.5 GHz
- Silver over Copper Plated Brass Contact
- Contact plating according to QQ-S-365

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44277 7/16 DIN male connector with clamp/solder attachment for RG17, RG218 and RG219 is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz.

Our 7/16 DIN male connector PE44277 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		7.5	GHz

#### Mechanical Specifications

Size	
Length	2.675 in [67.95 mm]
Width/Dia.	1.312 in [33.32 mm]
Weight	0.523 lbs [237.23 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE44277](#)



7/16 DIN Male Connector Clamp/Solder  
Attachment for RG17, RG218, RG219

RF Connectors  
Technical Data Sheet

PE44277

**Material Specifications**

Description	Material	Plating
Contact	Brass	Silver over Copper QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

**Environmental Specifications**

**Temperature**

Operating Range

-62 to +200 deg C

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE44277](#)





7/16 DIN Male Connector Clamp/Solder  
Attachment for RG17, RG218, RG219

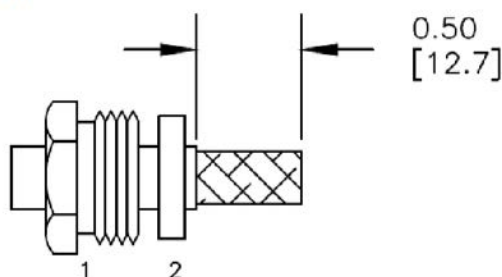
RF Connectors  
Technical Data Sheet

PE44277

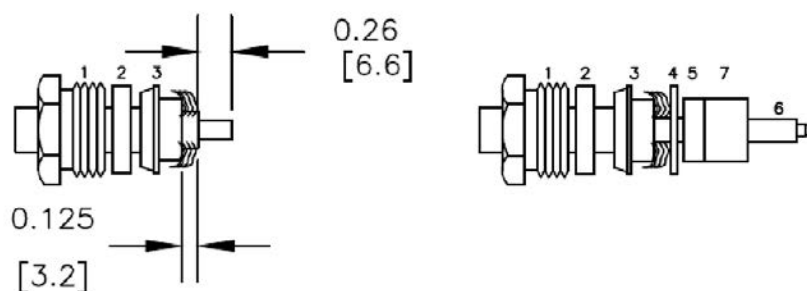
Assembly Instruction

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF THE BRAID CLAMP (3). SLIDE BRAID CLAMP (3) OVER BRAID & AGAINST CABLE



2. FORM BRAID OVER CLAMP NUT (3). CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. SLIDE WASHER (4) & REAR INSULATOR (5) OVER. DIELECTRIC. SOLDER CONTACT (6) TO CENTER CONDUCTOR. SLIDE FRONT INSULATOR (7) OVER CONTACT. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE44277](#)





## 7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

### RF Connectors Technical Data Sheet

PE44277

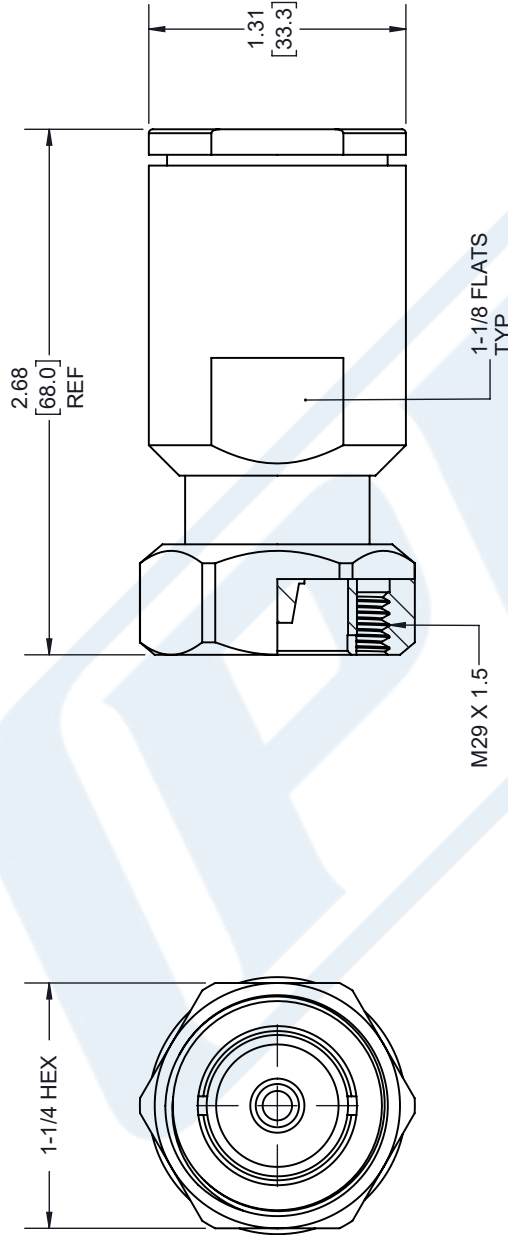
7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE44277](https://www.pasternack.com/7-16-male-standard-rg218-connector-pe44277-p.aspx)

URL: <https://www.pasternack.com/7-16-male-standard-rg218-connector-pe44277-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE44277	10/23/2020	S. ELLIS



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<p>SCALE N/A</p>		<p>REV A</p>
<p><b>PE PASTERNAK</b> an INFINITE brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p>		<p>ITEM NO. PE44277</p>
<p>SIZE A</p>		<p>CAGE CODE 53919</p>
<p>DRAWN BY K.DANG</p>		<p>REV A</p>

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p>	
TOLERANCES:	FRACTIONS
.X = ± .2	[.008]
.XX = ± .02	[.51]
.XXX = ± .005	[.13]
ANGLES ± 1°	
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305]	± .125 [3.18]
12 [305] < L ≤ 60 [1524]	± .125 [3.18]
60 [1524] < L ≤ 120 [3048]	± .125 [3.18]
120 [3048] < L ≤ 300 [7620]	± .125 [3.18]
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2500 [63500] < L ≤ 3000 [76200]	± .125 [3.18]
3000 [76200] < L ≤ 3500 [88900]	± .125 [3.18]
3500 [88900] < L ≤ 4000 [101600]	± .125 [3.18]
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44000 [1117600] < L ≤ 44500 [1130300]	± .125 [3.18]
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46000 [1168400] < L ≤ 46500 [1181100]	± .125 [3.18]
46500 [1181100] < L ≤ 47000 [1193800]	± .125 [3.18]
47000 [1193800] < L ≤ 47500 [1206500]	± .125 [3.18]
47500 [1206500] < L ≤ 48000 [1219200]	± .125 [3.18]
48000 [1219200] < L ≤ 48500 [1231900]	± .125 [3.18]
48500 [1231900] < L ≤ 49000 [1244600]	± .125 [3.18]
49000 [1244600] < L ≤ 49500 [1257300]	± .125 [3.18]
49500 [1257300] < L ≤ 50000 [1270000]	± .125 [3.18]

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Flexible RG218 Coax Cable Single  
Shielded with Black PVC Jacket

RF Cables  
Technical Data Sheet

RG218/U

### Configuration

- Flexible Cable
- 1 Shield(s)

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			11,000	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	400	1,000		MHz
Attenuation, Max	0.65	1	2.75	5		dB/100ft
	2.13	3.28	9.02	16.4		dB/100m
Input Power (CW), Max	6,500	3,700	1,200	600		Watts

### Mechanical Specifications

Diameter	0.87 in [22.1 mm]
Weight	0.4775 lbs/ft [0.71 Kg/m]

### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.195 in [4.95 mm]
Conductor Type	Solid	
Dielectric	PE	0.68 in [17.27 mm]
First Shield	Copper Braid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket RG218/U](#)



Flexible RG218 Coax Cable Single  
Shielded with Black PVC Jacket

RF Cables  
Technical Data Sheet

RG218/U

Jacket	PVC, Black	0.87 in [22.1 mm]
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**Environmental Specifications**

**Temperature**

Operating Range

-40 to +80 deg C

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

**Plotted and Other Data**

Notes:

Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket 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.

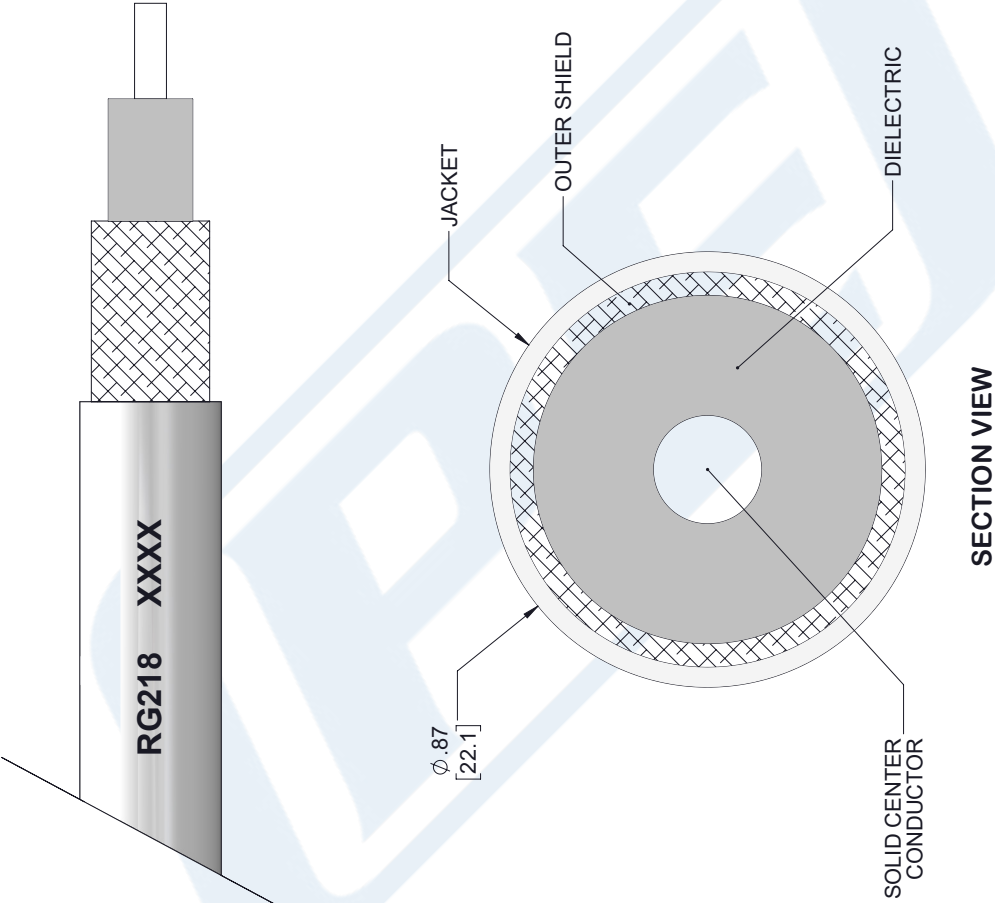
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket RG218/U](#)

URL: <https://www.pasternack.com/flexible-0.870-rg218-50-ohm-coax-cable-pvc-jacket-rg218-u-p.aspx>

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RG218/U CAD Drawing

Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES  
\*CABLE JACKET SHALL BE MARKED WITH THE COAX GENERIC NAME AND LOT ID



Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE

RG218/U

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].

CAGE CODE 53919

CAD FILE 04/05/18

SCALE N/A

SIZE A

7361