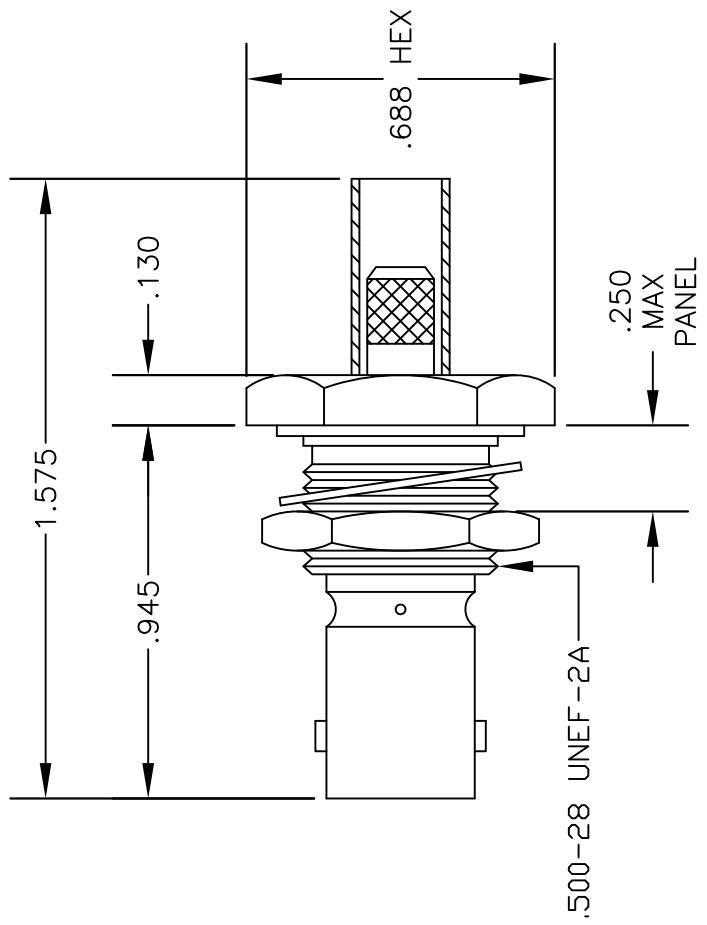


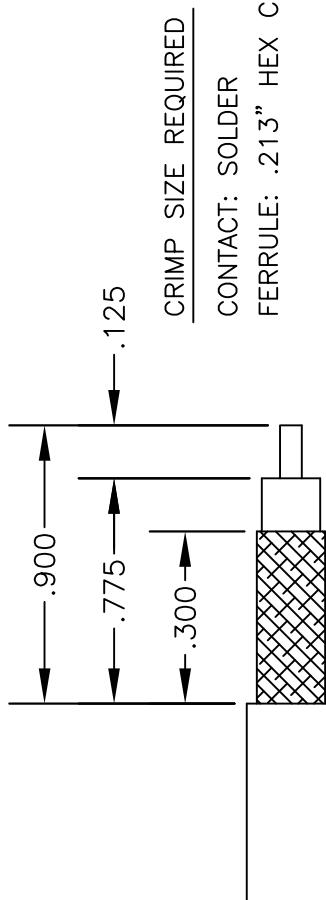
MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	SILVER PLATED
INSULATOR	PTFE



 <b>PASTERNACK ENTERPRISES<sup>®</sup></b> ESTABLISHED 1972		DES. MHV FEMALE, BULKHEAD, CRIMP ATTACHMENT FOR RG55, RG141, RG142, RG223 & RG400
REV. A	FSCM NO. 53919	CAD FILE 042210
		SCALE N/A
		SIZE A 147

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.



STRIPPING DIMENSIONS


**MHV Male Connector Crimp/Solder Attachment  
for RG55, RG141, RG142, RG223, RG400**
**TECHNICAL DATA SHEET**
**PE4657**
**Configuration**

Connector	MHV Male
Connector Specification	MIL-STD-348A
Connector Interface Type	RG55, RG141, RG142, RG223, RG400
Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

**Electrical Specifications**

Frequency Range	DC to 300 MHz
Impedance	50 Ohms
Maximum Operating Voltage	1,600 Volts

**Mechanical Specifications**

Temperature	-65 to +165 deg C
Operating Range	

**Size**

Length	1.5 in [38.1 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.034 lbs [15.42 g]

**Connector**

Type	MHV Male
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30 $\mu$ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100 $\mu$ in. minimum
Dielectric Type	Teflon

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4657](#)



## MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

### TECHNICAL DATA SHEET

PE4657

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

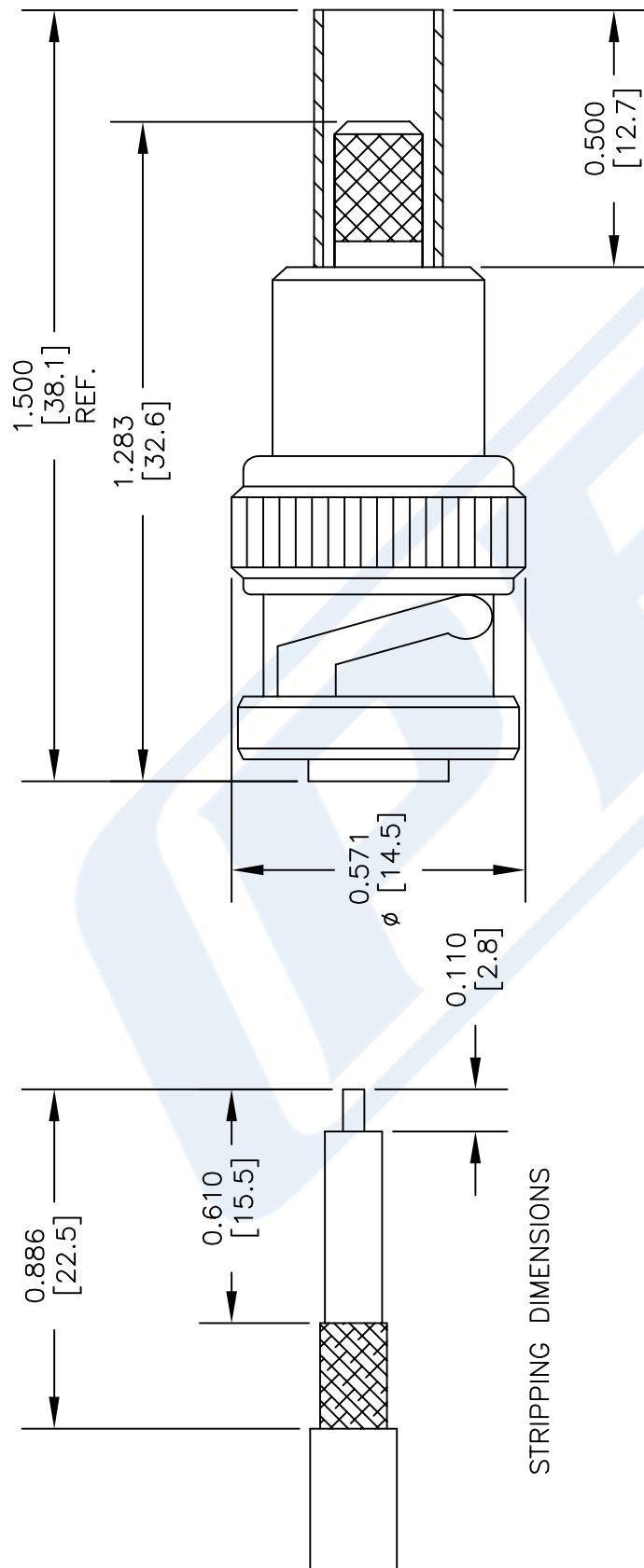
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4657](#)

URL: <http://www.pasternack.com/mhv-male-rg55-rg141-rg142-rg223-rg400-connector-pe4657-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.

# PE4657 CAD Drawing

MHV Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400



### CRIMP SIZE REQUIRED

CONTACT: 079 [2.0] HEX CRIMP TOOL  
FERRULE: .213 [5.6] HEX CRIMP TOOL

**PASTERNACK®**  
THE ENGINEER'S RF SOURCE  
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)

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DWG TITLE	PE4657
FSCM NO.	53919
CAD FILE	101514
SCALE	N/A
SIZE	A

## Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG223/U

#### Configuration

Inner Conductor Material and Plating  
 Dielectric Type  
 Shield Materials  
 Jacket Material and Color

Copper, Silver  
 PE  
 Silver Plated Copper Braid, Silver Plated Copper Braid  
 PVC, Black

#### Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	66
Maximum Operating Frequency, GHz	12.4
Capacitance, pF/ft [pF/m]	30.8 [101.05]
Maximum Operating Voltage, Volts	1,900

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4 [13.12]

##### Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8.2 [26.9]

##### Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13.4 [43.96]

##### Frequency 4

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	24.8 [81.36]

##### Frequency 5

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	33.5 [109.91]

##### Frequency 6

Frequency, GHz	11
Attenuation, dB/100ft [dB/100m]	54.1 [177.49]

#### Mechanical Specifications

##### Temperature

Operating Range, deg C      -20 to +80

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)



## Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG223/U

**Inner Conductor**

Number of Strands 1  
 Material Copper  
 Plating Silver  
 Diameter, in [mm] 0.035 [0.89]

**Dielectric:**

Type PE  
 Diameter, in [mm] 0.116 [2.95]

**Shield:**

Number of 2  
 Material 1 Silver Plated Copper Braid  
 Material 2 Silver Plated Copper Braid  
 Diameter, in [mm] 0.156 [3.96]

**Jacket:**

Material PVC  
 Diameter, in [mm] 0.21 [5.33]  
 Color Black  
 One Time Minimum Bend Radius, in [mm] 0.21 [5.33]  
 Repeated Minimum Bend Radius, in [mm] 1 [25.4]  
 Weight, lbs/ft [Kg/m] 0.038 [0.06]

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

RoHS Compliant  
 REACH Compliant

06/18/2012

**Plotted and Other Data**

Notes:  
 • Values at +25 °C, sea level

Flexible RG223 Coax Cable Double 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% availability and are part of the broadest selection in the industry.

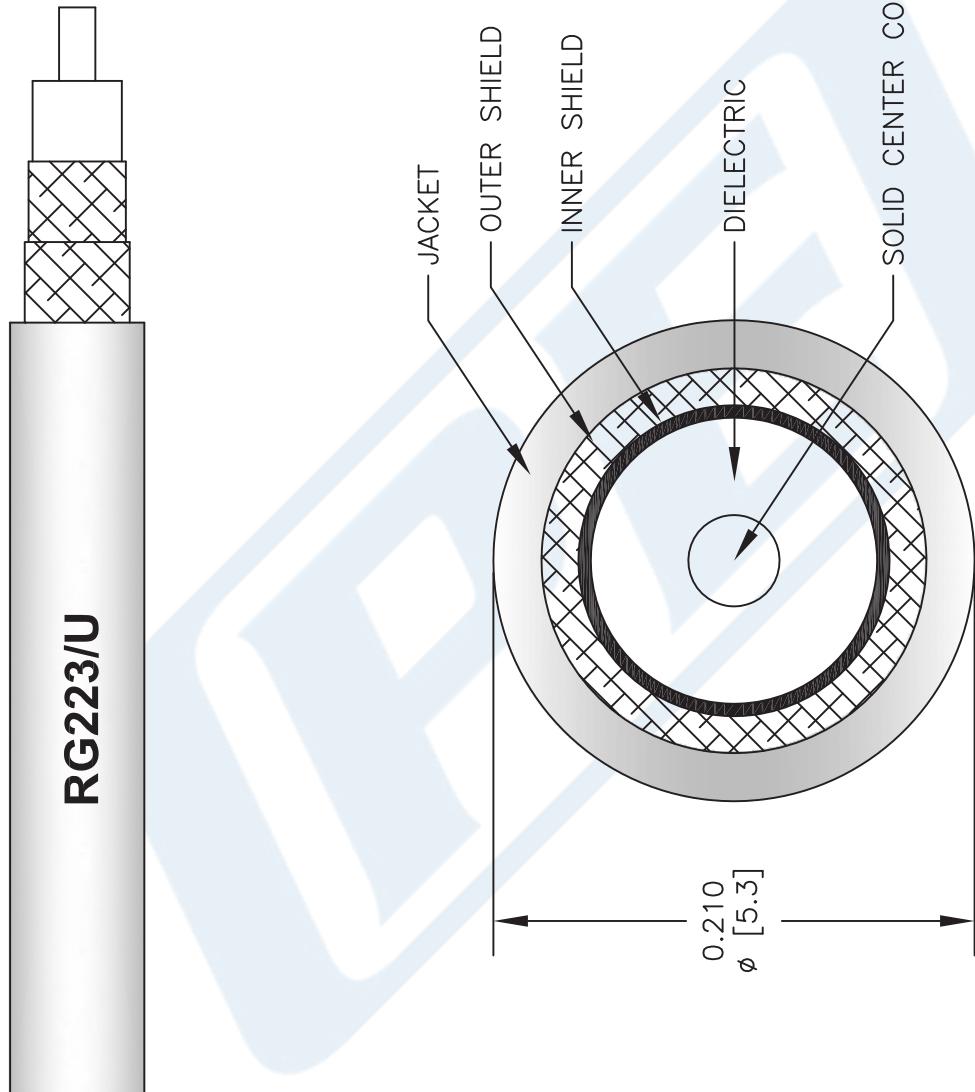
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

URL: <http://www.pasternack.com/flexible-0.216-rg223-50-ohm-coax-cable-pvc-jacket-rg223-u-p.aspx>

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# RG223/U CAD Drawing

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket



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DWG TITLE  
**RG223/U**

**PE PASTERNACK**  
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FSCM NO.	CAD FILE	SCALE	SIZE	REV
53919	060508-B	N/A	A	2233