



MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact

RF Connectors Technical Data Sheet

PE45255

Configuration

- Snap-On MMBX Plug Connector
- 50 Ohms
- Right Angle Body Geometry

- RG316, RG174 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.17:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector

- Reliable Snap-On connection method
- Small circuit footprint for high density applications
- Mechanical misalignment tolerance of 4.5°/0.7mm Max

Applications

- General Purpose Test
- Custom Cable Assemblies
- Low cost blind mate interconnect

- Multi circuit board radios

- Board to board applications requiring multiple coaxial connections

Description

Pasternack's PE45255 MMBX plug right angle snap-on connector crimp/solder attachment for RG316, RG174 is part of our full line of RF components available for same-day shipping. Our MMBX plug connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.17:1. Its right angle body geometry allows for easier connections in tight spaces. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated.

Our MMBX plug right angle connector PE45255 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 connector assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.17:1	
Insertion Loss		0.31		dB
Operating Voltage (DC)		250		Vdc
Dielectric Withstanding Voltage (DC)		750		Vdc
Insulation Resistance	1,000			MOhms

Electrical Specification Notes:
 MMBX Plug has a male center contact

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact PE45255](#)


MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact
RF Connectors Technical Data Sheet
PE45255
Mechanical Specifications

Size	
Length	0.51 in [12.95 mm]
Width/Dia.	0.24 in [6.10 mm]
Weight	0.00726 lbs [3.29 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Outer Conductor	Brass	Gold
Body	Brass	Gold

Environmental Specifications
Temperature

Operating Range

-55 to +155 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact PE45255](#)



MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact

RF Connectors Technical Data Sheet

PE45255

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

Plotted and Other Data

Notes:

MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact 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.

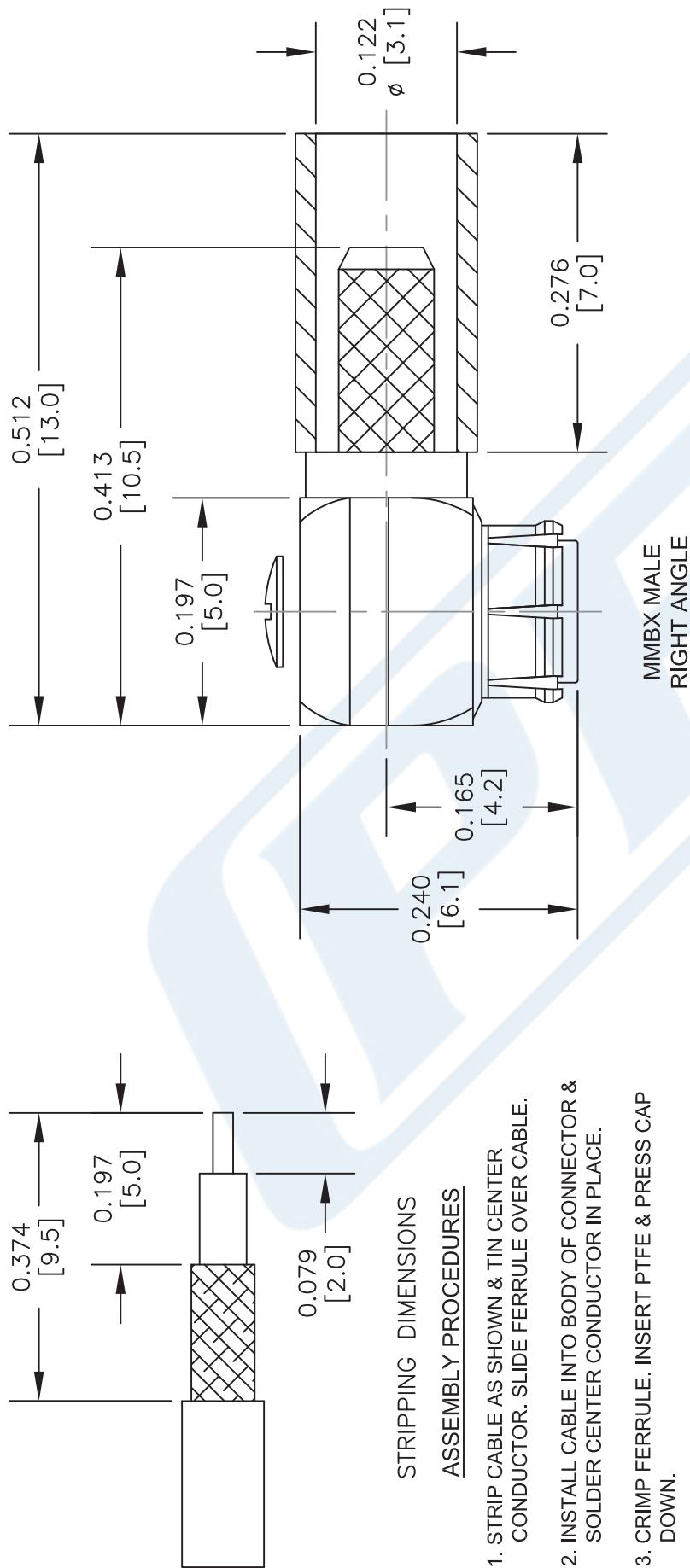
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact PE45255](#)

URL: <https://www.pasternack.com/mmbx-plug-snap-on-rg316-rg174-connector-pe45255-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.

PE45255 CAD Drawing

MMBX Plug Right Angle Snap-On Connector Crimp/Solder Attachment for RG316, RG174, with male center contact



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. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE	PE45255	CAD FILE	092816	SCALE	N/A	SIZE	A	2233
PASTERNACK® THE ENGINEER'S RF SOURCE	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 E-Mail: sales@pasternack.com						

TNC Female Connector Crimp/Solder Attachment for RG174,
 RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100



RF Connectors Technical Data Sheet

PE4462

Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 Interface Type
- Crimp/Solder Attachment

Features

- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4462 TNC female connector with crimp/solder attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch and LMR-100 is part of our full line of RF components available for same-day shipping.

Our TNC female connector PE4462 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.

Mechanical Specifications

Size

Length

1.282 in [32.56 mm]

Width/Dia.

0.45 in [11.43 mm]

Weight

0.021 lbs [9.53 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 PE4462](#)



TNC Female Connector Crimp/Solder Attachment for RG174,
RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100

RF Connectors Technical Data Sheet

PE4462

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

Plotted and Other Data

Notes:

TNC Female Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 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.

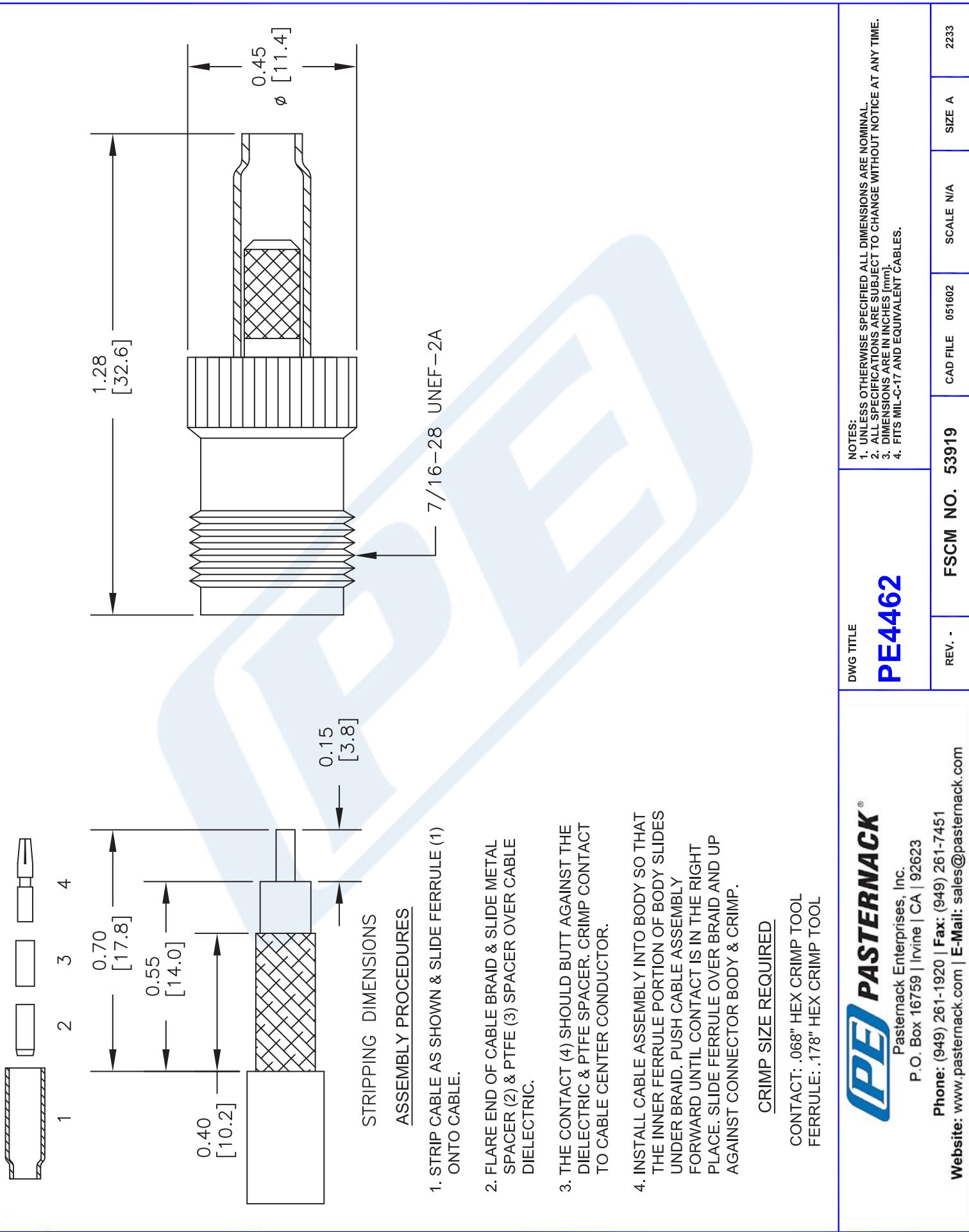
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Connector Crimp/Solder Attachment for RG174, RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100 PE4462](#)

URL: <https://www.pasternack.com/tnc-female-standard-rg174-rg316-rg188-connector-pe4462-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.

PE4462 CAD Drawing

TNC Female Connector Crimp/Solder Attachment for RG174,
RG316, RG188, PE-B100, PE-C100, 0.100 inch, LMR-100



PE PASTERNACK[®]
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG188A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,000	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	20					dB/100ft
	65.62					dB/100m

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.011 lbs/ft [0.02 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.02 in [0.51 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.06 in [1.52 mm]
First Shield	Silver Plated Copper Braid 95.2% coverage	0.081 in [2.06 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG188A/U

Jacket	PTFE, White	0.11 in [2.79 mm]
--------	-------------	-------------------

Environmental Specifications

Temperature

Operating Range

-55 to +250 deg C

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

Plotted and Other Data

Notes:

Flexible RG188 Coax Cable Single Shielded with White PTFE 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.

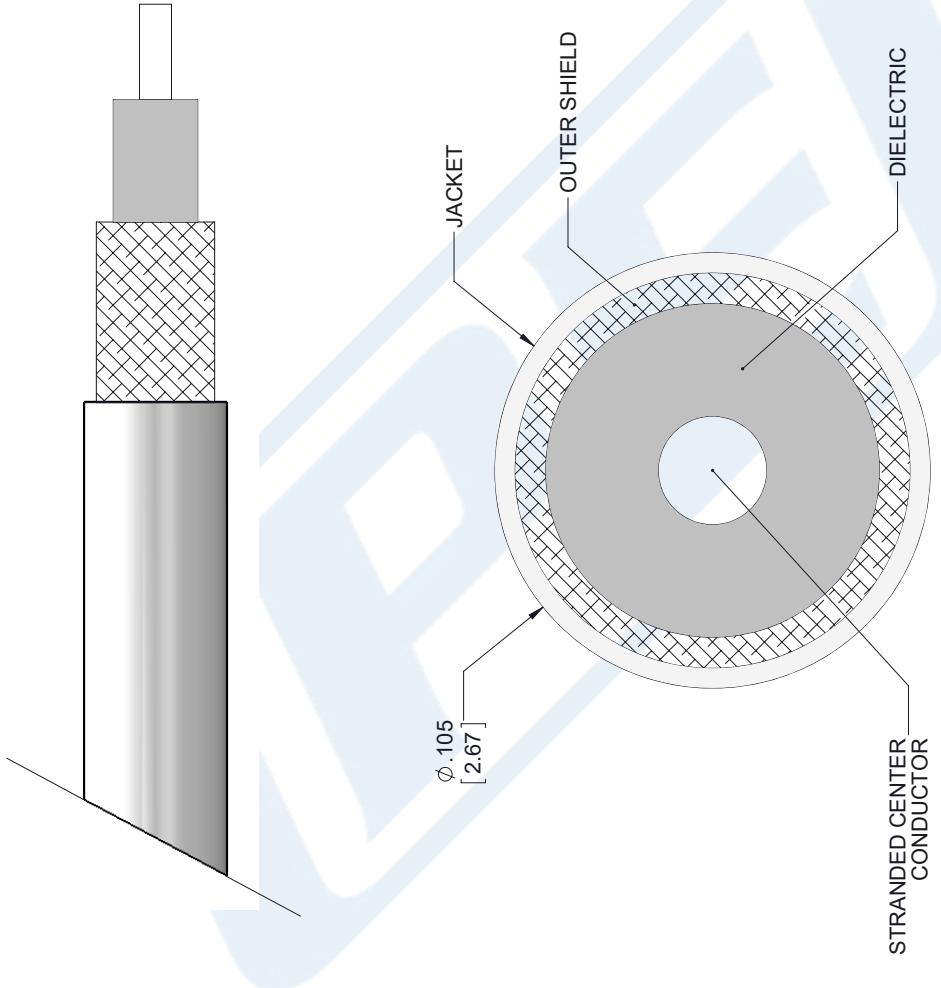
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

URL: <https://www.pasternack.com/50-ohm-flexible-rg188au-ptfe-jacket-silver-plated-copper-braid-outer-conductor-single-shielded-white-rg188a-u-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.

RG188A/U CAD Drawing

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



SECTION VIEW

PASTERNACK
THE ENGINEER'S RESOURCE
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

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

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE	CAGE CODE	CAD FILE	SCALE	SIZE
RG188A/U	53919	091817	N/A	A