



UHF Female Connector Crimp/Solder Attachment for RG58,
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44058

Configuration

- UHF Female Connector
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44058 UHF female connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our UHF female connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our UHF female connector PE44058 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		300	MHz
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.5 in [38.1 mm]
Width/Dia.	0.67 in [17.02 mm]
Weight	0.068 lbs [30.84 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE44058](#)



UHF Female Connector Crimp/Solder Attachment for RG58,
RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44058

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

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

Plotted and Other Data

Notes:

UHF Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch 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.

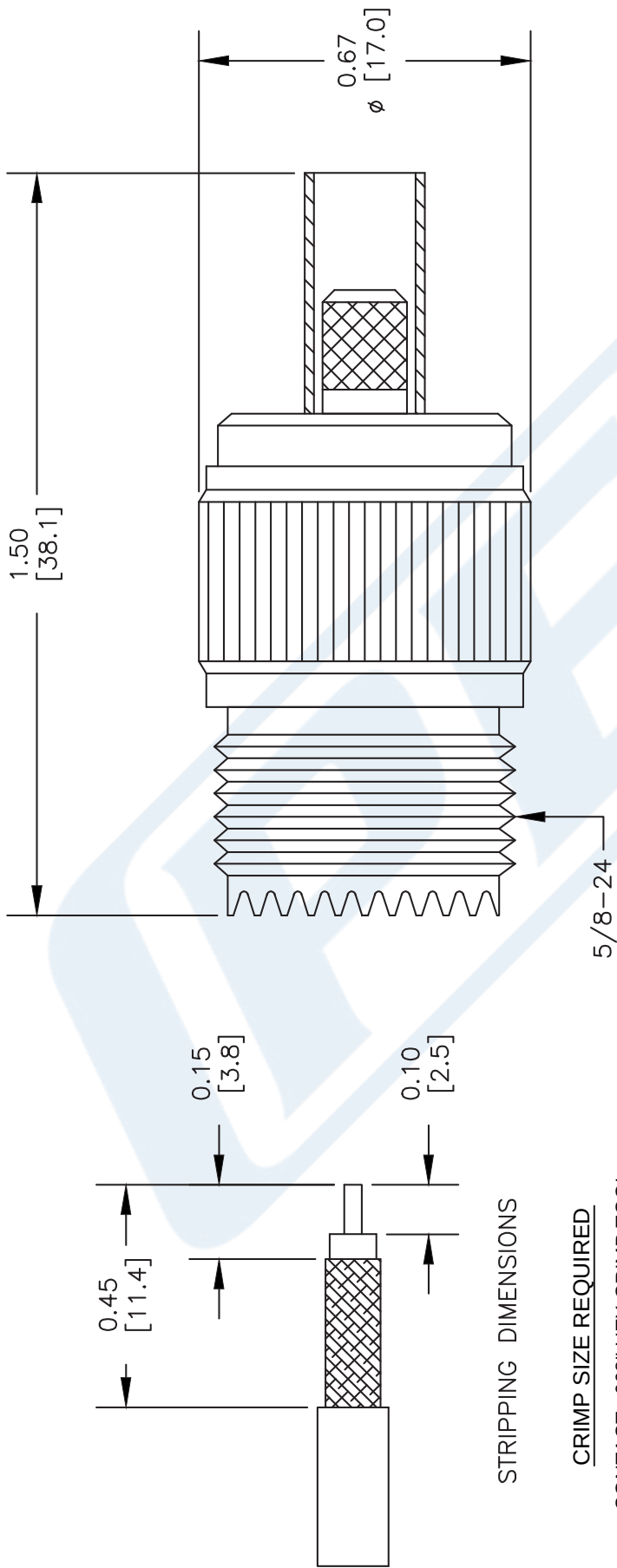
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE44058](#)

URL: <https://www.pasternack.com/uhf-female-standard-rg58-connector-pe44058-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.

PE44058 CAD Drawing

UHF Female Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
FERRULE: .213" HEX CRIMP TOOL

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.

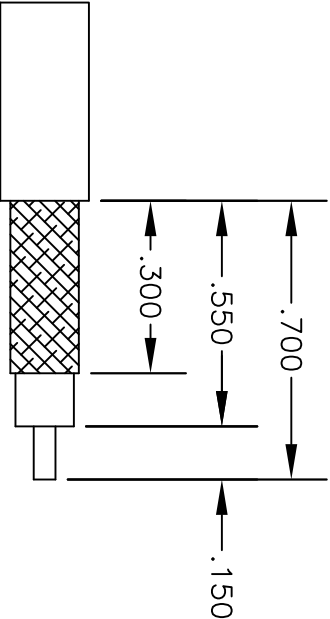
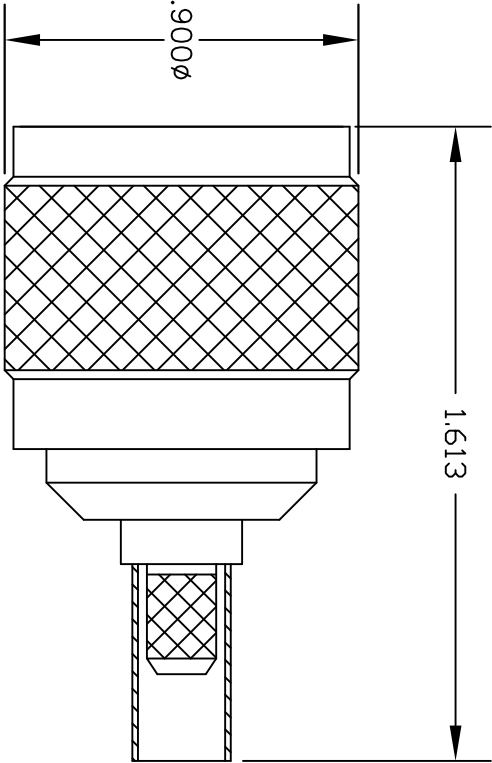
DWG TITLE
PE44058

FSCM NO. 53919

CAD FILE 062402
SCALE N/A
SIZE A
127

PE PASTERNAK®
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

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED
 CONTACT: .100" HEX CRIMP TOOL
 FERRULE: .213" HEX CRIMP TOOL



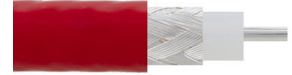
PASTERNAK ENTERPRISES, INC.
 P.O. BOX 16759, IRVINE, CA 92623
 PHONE (949) 261-1920 FAX (949) 261-7451
 WEB ADDRESS: www.pasternack.com
 E-MAIL ADDRESS: sales@pasternack.com
 COAXIAL & FIBER OPTICS

DWG TITLE
PE4478

DES. HN MALE, CRIMP ATTACHMENT FOR RG58

SIZE A	FSCM NO. 53919	CAD FILE	051602	SCALE	N/A	127
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NOTES:
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40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR Jacket

RF Cables Technical Data Sheet

RG303HV

Configuration

- 1 Shield(s)

Features

- Voltage rating up to 40kV
- Low Signal Attenuation
- Robust Insulation
- Flexible and Durable

Applications

- Semiconductor Testing
- Radar Systems
- Broadcast Stations
- Research and Development
- Military and Defense

Description

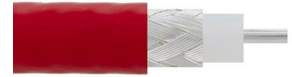
RG303HV part number from Pasternack is a coax cable that is flexible. Pasternack's flexible coax RF cable has an impedance of 50 Ohm and PE dielectric. Our RG303HV coax cable is constructed with a 0.169-inch jacket made of FEP. Our coax cable from Pasternack has a maximum frequency of 3000 MHz. This red colored coax cable has a 0.138-inch shield layer of Silver Copper. Additional specifications for this RG303HV single-shielded RF coaxial cable are on our downloadable PDF datasheet above. Our RG303HV coax cable has a maximum operating temperature of 70 degrees C. This 40kV red colored flexible RF cable with a 50 Ohm impedance has a typical insertion loss/maximum attenuation of 0.22 dB/ft at a frequency of 3000 MHz. The RG303HV flexible RF cable has a silver center conductor with a copper clad aluminum conductor plating.

The RG303 high-voltage RF cable is engineered specifically for radio frequency applications that require the handling of extremely high voltages. With a rated voltage of 40kV, this cable is designed to safely and efficiently transmit high-voltage RF signals. It is commonly utilized in industrial applications where reliable and robust RF signal distribution is critical. The RG303 cable is constructed with high-quality insulation materials and conductors to minimize signal loss and ensure optimal performance. Adhering to safety guidelines and proper installation practices are essential when working with this cable to maintain electrical safety and preserve signal integrity. Pasternack RG303HV coax cables are part of over 40,000 RF, microwave, and millimeter wave components. These flexible RF cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using RG303HV other coax can be built and shipped the same business day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Operating Voltage (DC)			40,000	Vdc
Nominal Capacitance		308.4 [1,011.81]		pF/ft [pF/m]
Test Voltage (Conductor/Braid)		80		kVoc/1min
Test Voltage (Spark Test, Core)		15		kVac
Test Voltage (Spark Test, Jacket)		5		kVac
Test Voltage (Type Test)		64		kVoc

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR Jacket RG303HV](#)



40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR Jacket

RF Cables Technical Data Sheet

RG303HV

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.4	1	3		GHz
Attenuation, Typ	2.48	7.35	12.09	22.52		dB/100ft
	8.14	24.11	39.67	73.88		dB/100m

Mechanical Specifications

Diameter	0.169 in [4.29 mm]
Weight	0.027 lbs/ft [0.04 kg/m]
Min. Bend Radius (Repeated)	0.788 in [20.02 mm]

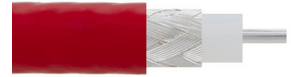
Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Silver, Copper Clad Aluminum, Strand	0.037 in [0.94 mm]
Conductor Type		
Dielectric	FEP	0.116 in [2.95 mm]
First Shield	Silver Copper	0.138 in [3.51 mm]
Jacket	FEP, Red	0.169 in [4.29 mm]

Environmental Specifications

Temperature	
Operating Range	-65 to +200 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR Jacket RG303HV](#)



40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR Jacket

RF Cables Technical Data Sheet

RG303HV

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

Plotted and Other Data

Notes:

- 1) All tests performed in accordance with MIL-DTL-17 (current issue).
- 2) All materials are RoHS and REACH compliant.

40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR 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: [40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR Jacket RG303HV](#)

URL: <https://www.pasternack.com/flexible-rg303-fep-jacket-silver-copper-outer-conductor-single-shielded-rg303hv-p.aspx>

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RG303HV CAD Drawing

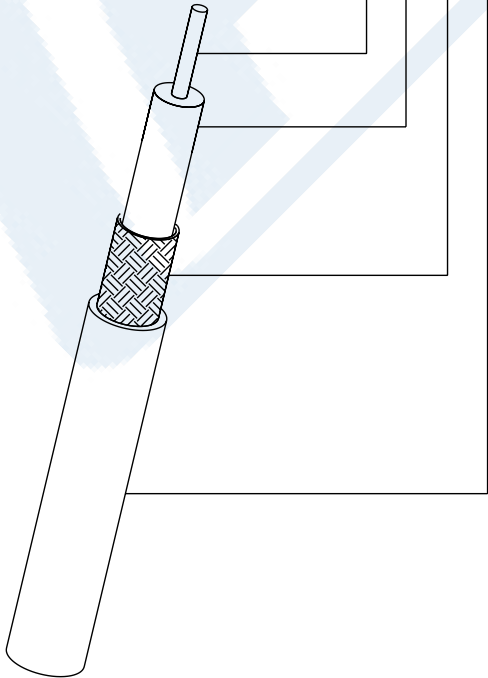
40kV Flexible RG303 High Voltage Coax Cable Single Shielded with Red PUR Jacket

F E D C B A

F E D C B A

1 2 3 4 5 6

REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	05/05/2023
CHANGED BY			PSRINIVAS
APPROVED			AGANWANI



Center Conductor	Ø.037 [0.94]	Silver Copper
Dielectric	Ø.116 [2.95]	FEP (Fluorinated Ethylene Propylene)
Braid	Ø.138 [3.51]	Silver Copper
Jacket	Ø.169 [4.29]	Red FEP (Fluorinated Ethylene Propylene)

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

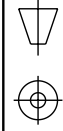
TOLERANCES:
X = ±.2 [.5] FRACTIONS
.XX = ±.02 [.5] ±.132
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤12 [305] = +1[25] / -0
>12 [305] ≤ 60 [1524] = +2[51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE



Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920



INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

DESCRIPTION
Flexible RG303 High Voltage Coax Cable Single Shielded with Red
PUR Jacket

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	RG303HV	REV
A	53919	PSRINIVAS			A

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