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10KV Male Connector Crimp/Solder Attachment for RG58

RF Connectors
Technical Data Sheet

PE45836

Configuration

- 10KV Male Connector
- MIL-STD-202
- Straight Body Geometry
- Connector Interface Types: RG58

Features

- Gold over nickel over copper Plated Beryllium Copper Contact
- High Density PE Insulator

Applications

- General Purpose Test
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

Description

Pasternack's PE45836 10kV high voltage coaxial connector is part of our series of High Voltage coaxial interconnects. This high voltage connector minimizes the risk of electric shock due to its recessed contact design. Both cable connectors and bulkhead receptacles have recessed contacts to withstand unmated high voltage ratings. Additionally, the front mount receptacles in this family of connectors are hermetically sealed. Our 10 kV connectors operate up to maximum frequency of 300 MHz and offers good insulation resistance of 1000MOhm.These connectors allow designers to create external connections on product enclosures in a variety of high voltage transmission applications.

Our 10kV coaxial connector PE45836 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
Operating Voltage (DC)			10,000	Vdc
Test Voltage (DC)			15,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	2.5 in [63.5 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.016 lbs [7.26 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 10KV Male Connector Crimp/Solder Attachment for RG58 PE45836

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10KV Male Connector Crimp/Solder Attachment for RG58

RF Connectors
Technical Data Sheet

PE45836

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over nickel over copper
Contact Spring		Tinned Copper
Insulation	PE (HD)	
Body	Brass	Nickel Over Copper
Coupling Nut	Brass	Nickel Over Copper
Gasket	Silicone	
Crimp Sleeve	Copper	Nickel over Copper
Washer	Brass	Tinned Copper

Environmental Specifications

Temperature

Operating Range	-55 to +85 deg C
Salt Spray	MIL-STD-202, Method 101, Condiiton B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Assembly Instruction

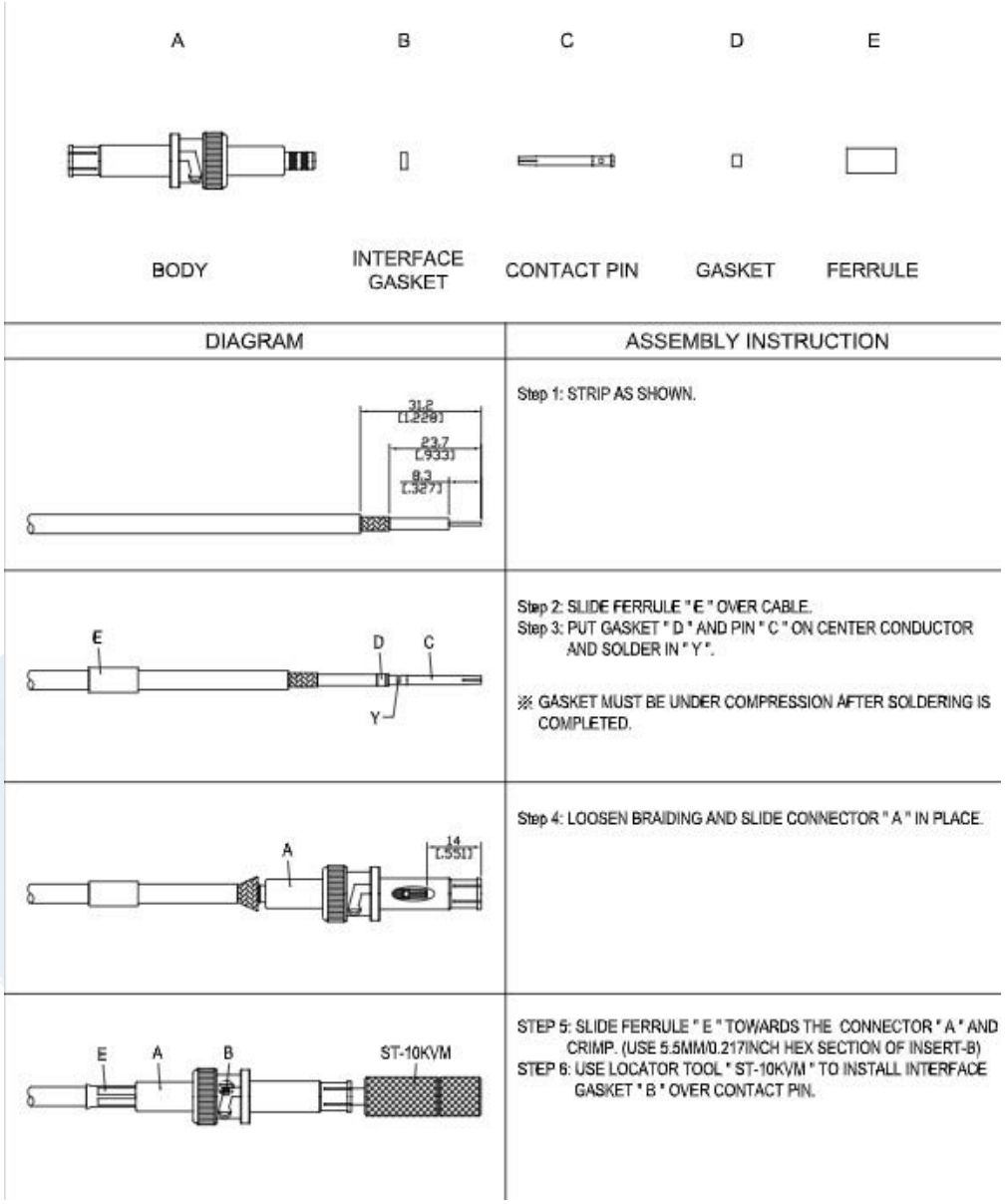


DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE " E " OVER CABLE. Step 3: PUT GASKET " D " AND PIN " C " ON CENTER CONDUCTOR AND SOLDER IN " Y ". ※ GASKET MUST BE UNDER COMPRESSION AFTER SOLDERING IS COMPLETED.
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.
	STEP 5: SLIDE FERRULE " E " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.5MM/0.217INCH HEX SECTION OF INSERT-B) STEP 6: USE LOCATOR TOOL " ST-10KVM " TO INSTALL INTERFACE GASKET " B " OVER CONTACT PIN.

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10KV Male Connector Crimp/Solder Attachment for RG58

RF Connectors
Technical Data Sheet

PE45836

10KV Male Connector Crimp/Solder Attachment for RG58 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: 10KV Male Connector Crimp/Solder Attachment for RG58 PE45836

URL: https://www.pasternack.com/10KV-male-rg58-connector-pe45836-p.aspx

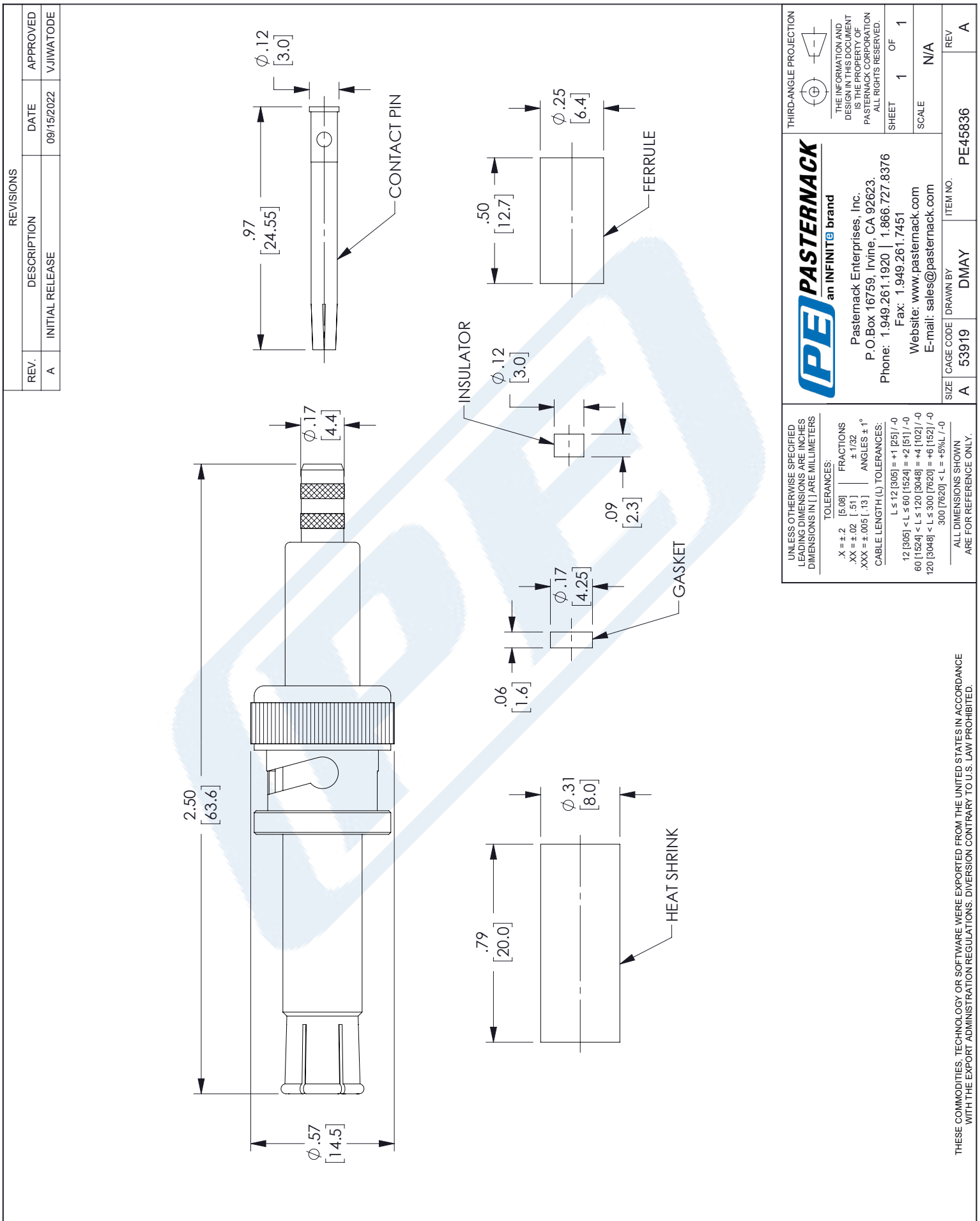
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PE45836 CAD Drawing

10KV Male Connector Crimp/Solder Attachment for RG58



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BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

RF Connectors
Technical Data Sheet

PE4016

Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4016 BNC male connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and .195 inch is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.5:1.

Our BNC male connector PE4016 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
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.13 in [28.7 mm]
Width/Dia.	0.571 in [14.50 mm]
Weight	0.027 lbs [12.25 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4016

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BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 90 µin minimum
Coupling Nut	Brass	Nickel
Gasket	Silicone	
Crimp Sleeve	Brass	Nickel

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: BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4016

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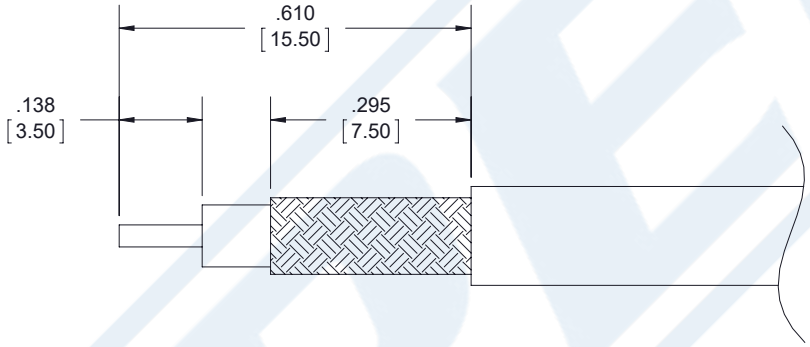
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BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

Assembly Instruction

*



ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND CRIMP WITH CRIMP TOOL.
3. FLARE BRAID AND INSERT THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

CRIMP SIZE REQUIRED

- CONTACT: .068 [1.73] HEX CRIMP TOOL.
- FERRULE: .213 [5.42] HEX CRIMP TOOL.

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BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

RF Connectors
Technical Data Sheet

PE4016

BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch 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.

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URL: https://www.pasternack.com/bnc-male-rg58-rg303-pe-c195-pe-p195-lmr-195-connector-pe4016-p.aspx

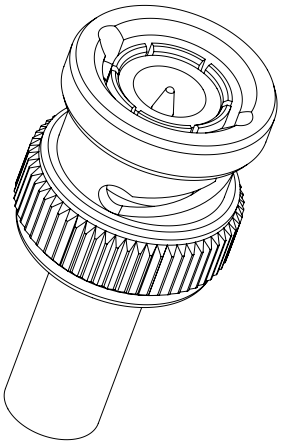
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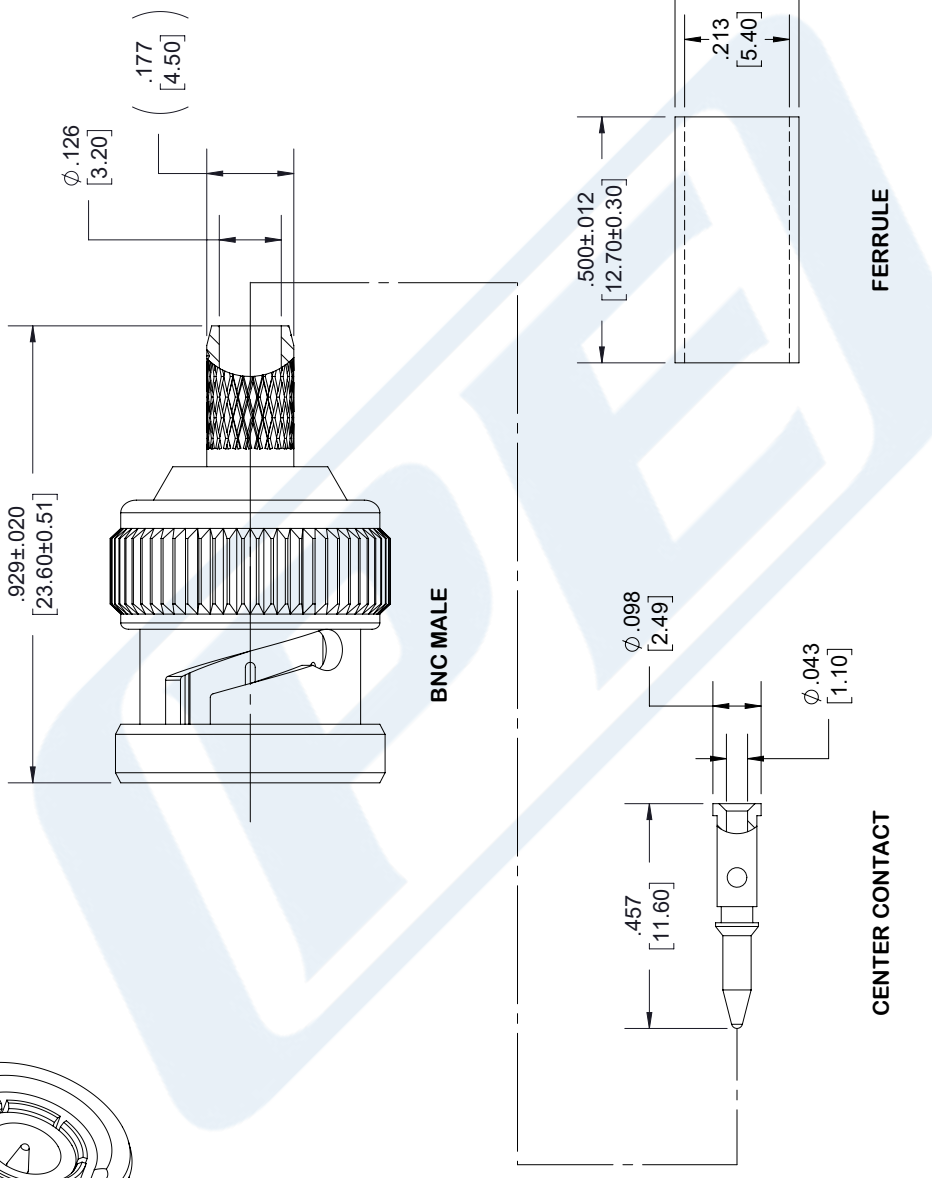
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PE4016 CAD Drawing

BNC Male Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch





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: PE4016

CAD FILE 010318 | SCALE N/A | SIZE A | 7361

CAGE CODE 53919

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Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet RG58C/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
Impedance		50		Ohms
Velocity of Propagation		65.9		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5		GHz
Attenuation, Typ	1.4	4.9	20	60		dB/100ft
	4.59	16.08	65.62	196.85		dB/100m
Input Power (CW), Max			44			Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.025 lbs/ft [0.04 Kg/m]
Min. Bend Radius (Installation)	0.98 in [24.89 mm]
Min. Bend Radius (Repeated)	1.96 in [49.78 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Tin, 19 Strands	0.036 in [0.91 mm]
Conductor Type	Stranded	
Dielectric	PE	0.116 in [2.95 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket RG58C/U

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Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

First Shield	Tinned Copper Braid	0.138 in [3.51 mm]
Jacket	PVC (NC), Black	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range	-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) 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.

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URL: https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx

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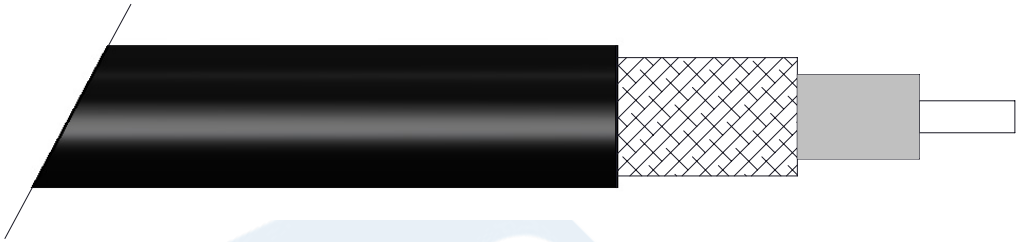
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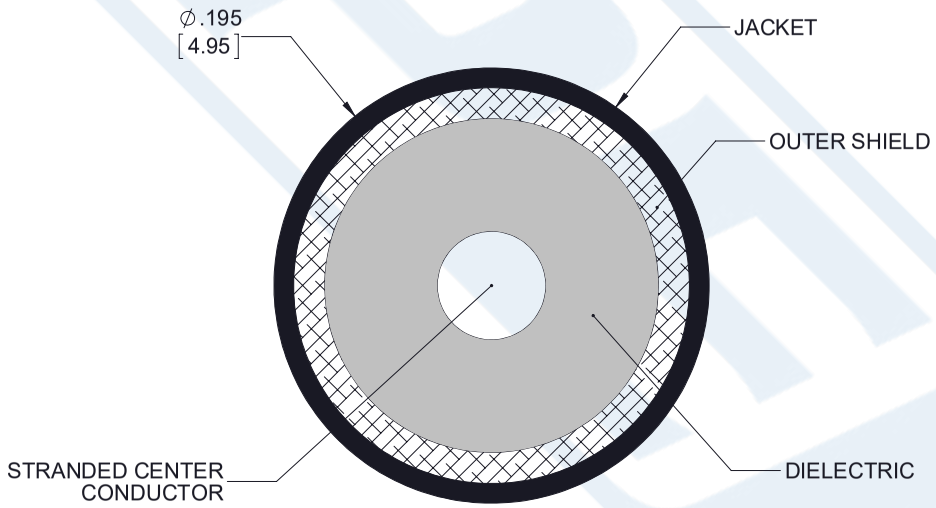
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RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket





SECTION VIEW

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

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DWG TITLE

RG58C/U

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