



N Male Connector Crimp/Crimp Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44520

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch Interface Type
- Crimp/Crimp Attachment

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44520 type N male connector with crimp/crimp attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.3:1.

Our type N male connector PE44520 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		11	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Crimp Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44520](#)



N Male Connector Crimp/Crimp Attachment for PE-C195,
PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44520

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 10					GHz
Insertion Loss, Max	0.15					dB

Mechanical Specifications

Size

Length	1.36 in [34.54 mm]
Width/Dia.	0.83 in [21.08 mm]
Weight	0.069 lbs [31.3 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Vibration	MIL-STD-202, Method 204, Condition B
Temperature Cycle	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Crimp Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44520](#)



N Male Connector Crimp/Crimp Attachment for PE-C195,
PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

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

Plotted and Other Data

Notes:

N Male Connector Crimp/Crimp Attachment for PE-C195, PE-P195, RG58, RG141, RG303, 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.

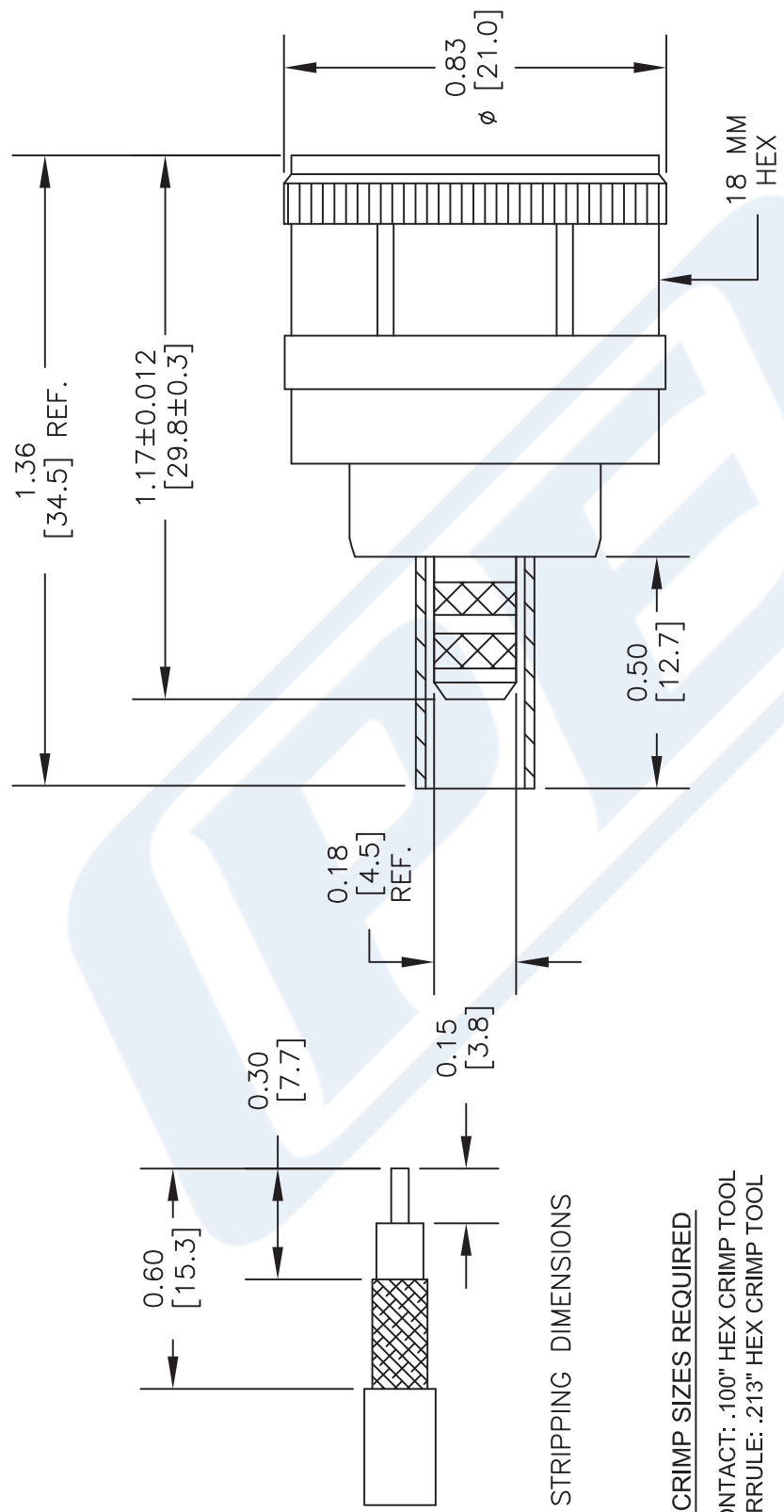
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URL: <https://www.pasternack.com/n-male-standard-pe-c195-0.195-connector-pe44520-p.aspx>

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PE44520 CAD Drawing

N Male Connector Crimp/Crimp Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch



STRIPPING DIMENSIONS

CRIMP SIZES REQUIRED

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

STANDARD TOLERANCES	
.X	±0.008
.XX	±0.004
.XXX	±0.002

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE44520

FSCM NO. 53919

SCALE N/A

SIZE A

XXXX

PE PASTERNAK®
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



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RF Connectors Technical Data Sheet

PE44520

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PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44520

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Plotted and Other Data

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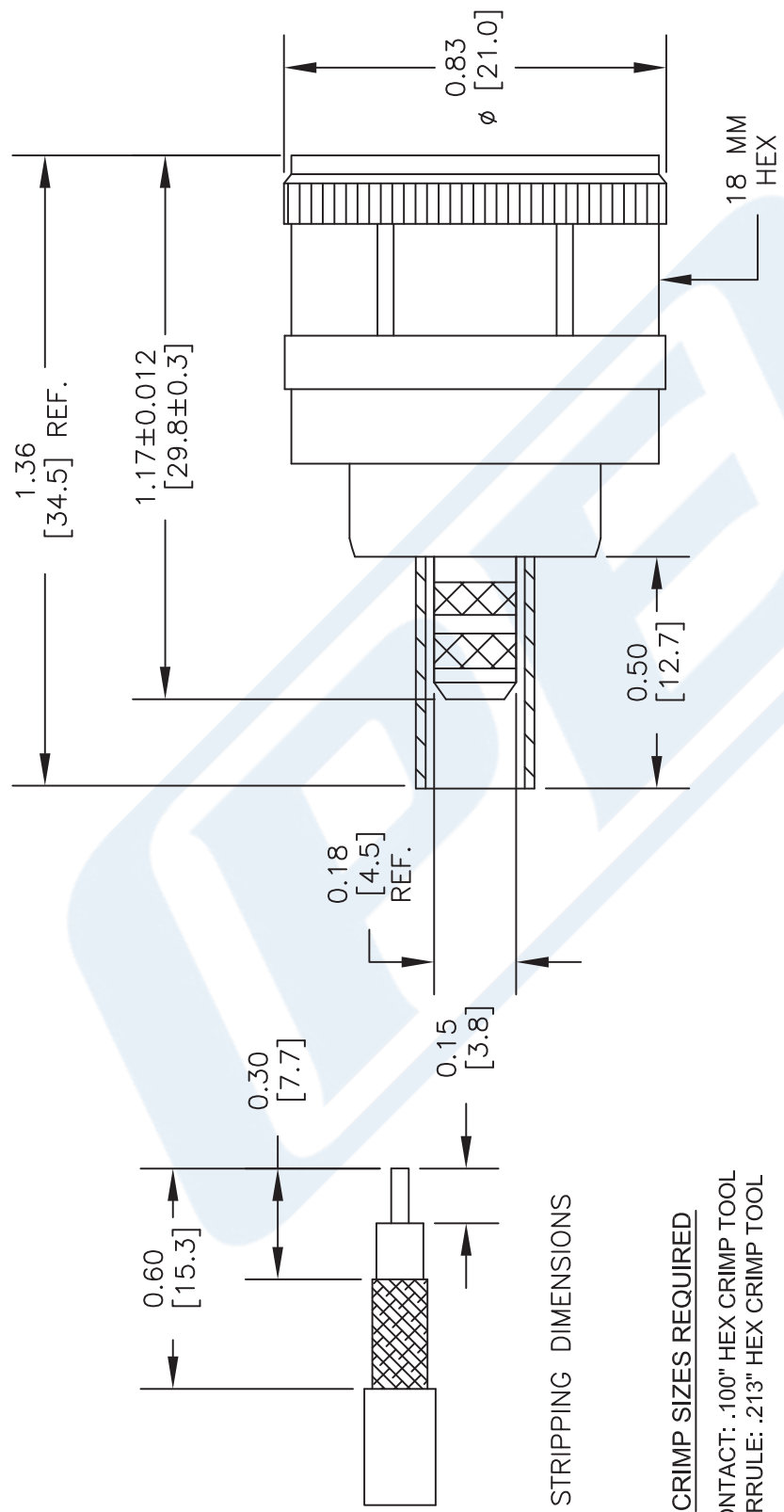
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PE44520 CAD Drawing

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DWG TITLE
PE44520

FSCM NO. 53919

CAD FILE 032316

SCALE N/A

SIZE A

XXXX

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Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet

PE-C195

Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

Features

- Low Loss
- Double Shielded
- PE Jacket
- Velocity of Propagation 80%
- Shielding Effectiveness > 90 dB

Applications

- Antenna Feeds
- Wireless Systems
- Direct Burial
- Communication Systems
- Indoor / Outdoor Uses
- Jumper Cable Assemblies

Description

Flexible coaxial cable are ideal for applications where tight bends and continual flexure are required. Pasternack's PE-C195 is a low loss flexible RG58 type coax cable with PE jacket. The double shielding of this low loss cable provides better electrical performance than the standard RG-58 cable including excellent shielding effectiveness of better than 90 dB. This Pasternack cable's PE jacket makes it suitable for indoor/outdoor uses and direct burial applications. PE-C195 RG58 type datasheet specifications and outline drawing for this flexible cable are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Cutoff Frequency		41		GHz
Impedance		50		Ohms
Velocity of Propagation		80		%
Shielding Effectiveness	90			dB
Jacket Spark			5,000	Vrms
Nominal Capacitance		25.4 [83.33]		pF/ft [pF/m]
Input Power (Peak)			2.5	KWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195](#)

Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet

PE-C195

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.22	0.45	0.9	1.5	GHz
Attenuation, Max	4.4	5.4	7.8	11.1	14.5	dB/100ft
	14.44	17.72	25.59	36.42	47.57	dB/100m
Attenuation, Typ	4.3	5.2	7.5	10.7	13.4	dB/100ft
	14.11	17.06	24.61	35.1	43.96	dB/100m
Input Power (CW), Max	350	290	200	140	110	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8		GHz
Attenuation, Max	16	16.9	19	29.9		dB/100ft
	52.49	55.45	62.34	98.1		dB/100m
Attenuation, Typ	15.3	16.1	18.1	28.2		dB/100ft
	50.2	52.82	59.38	92.52		dB/100m
Input Power (CW), Max	100	90	80	50		Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.021 lbs/ft [0.03 Kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.11 in [2.79 mm]
First Shield	Aluminum Tape	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195](#)



Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet

PE-C195

Second Shield	Tinned Copper Braid	0.139 in [3.53 mm]
Jacket	PE, Black	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Installation Range

-70 to +85 deg C

Storage Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE 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.

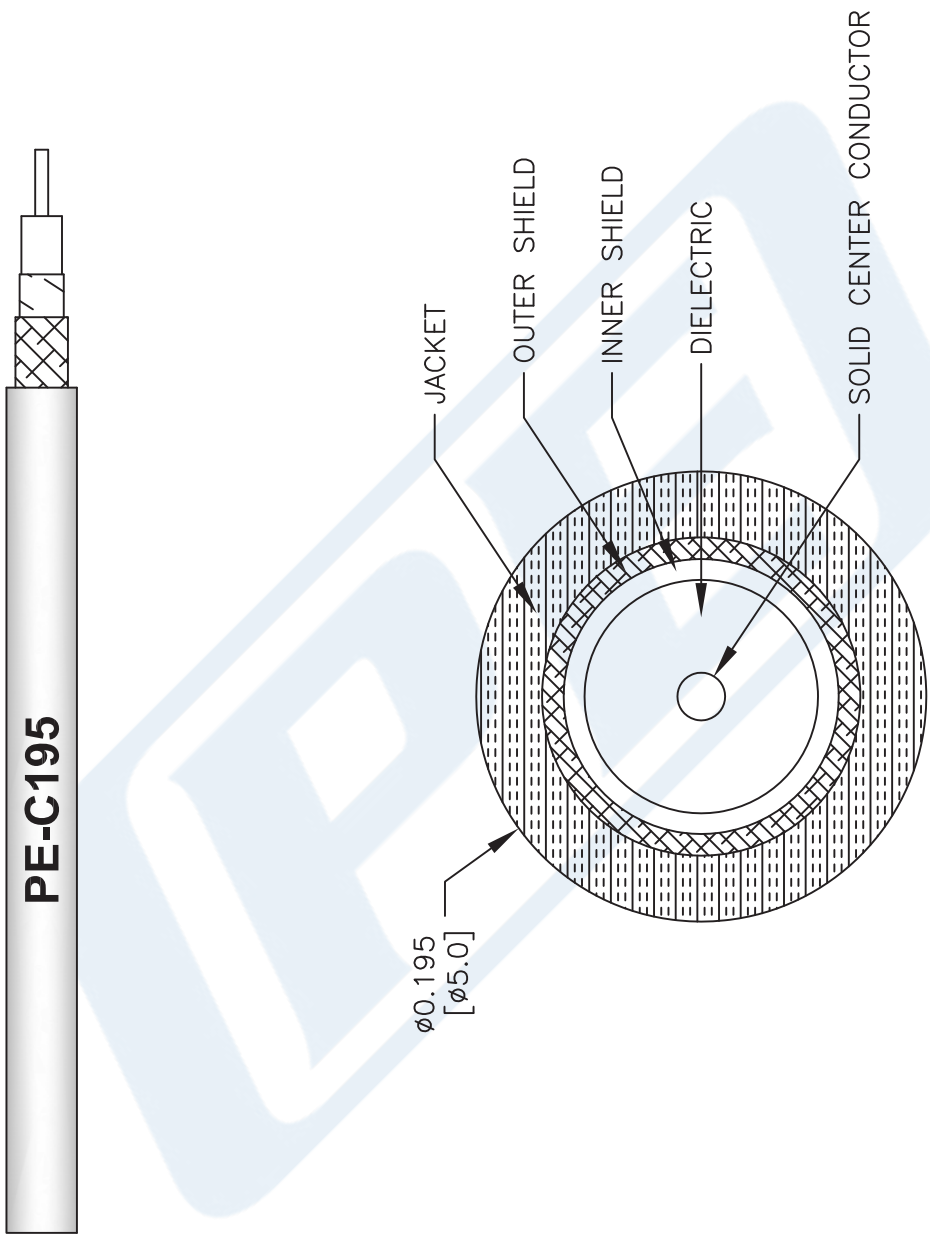
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket PE-C195](#)

URL: <https://www.pasternack.com/flexible-0.195-50-ohm-coax-cable-pe-jacket-pe-c195-p.aspx>

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PE-C195 CAD Drawing

Low Loss Flexible RG58 Type Coax Cable Double Shielded with Black PE Jacket



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DWG TITLE
PE-C195

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

P**E** **PASTERNAK**
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