

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

TECHNICAL DATA SHEET

PE-C195

Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Aluminum Tape, Tinned Copper Braid
Jacket Material and Color	PE, Black

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	80
Maximum Operating Frequency, GHz	5.8
Cutoff Frequency, GHz	41
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	25.4 [83.33]
Jacket Spark, Vrms	5,000
Peak Power, KWatts	2.5

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	4.3 [14.11]
Power Handling, Watts	350

Frequency 2

Frequency, MHz	220
Attenuation, dB/100ft [dB/100m]	5.2 [17.06]
Power Handling, Watts	290

Frequency 3

Frequency, MHz	450
Attenuation, dB/100ft [dB/100m]	7.5 [24.61]
Power Handling, Watts	200

Frequency 4

Frequency, MHz	900
Attenuation, dB/100ft [dB/100m]	10.7 [35.1]
Power Handling, Watts	140

Frequency 5

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	13.4 [43.96]
Power Handling, Watts	110

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](#)

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Frequency 6

Frequency, GHz	1.8
Attenuation, dB/100ft [dB/100m]	15.3 [50.2]
Power Handling, Watts	100

Frequency 7

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	16.1 [52.82]
Power Handling, Watts	90

Frequency 8

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	18.1 [59.38]
Power Handling, Watts	80

Frequency 9

Frequency, GHz	5.8
Attenuation, dB/100ft [dB/100m]	28.2 [92.52]
Power Handling, Watts	50

Mechanical Specifications**Temperature**

Operating Range, deg C	-40 to +85
Storage Range, deg C	-40 to +85

Inner Conductor

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.037 [0.94]

Dielectric:

Type	PE (F)
Diameter, in [mm]	0.11 [2.79]

Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.139 [3.53]

Jacket:

Material	PE
Diameter, in [mm]	0.195 [4.95]
Color	Black
One Time Minimum Bend Radius, in [mm]	0.5 [12.7]
Repeated Minimum Bend Radius, in [mm]	2 [50.8]
Weight, lbs/ft [Kg/m]	0.022 [0.03]

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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant

06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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% availability and are part of the broadest selection in the industry.

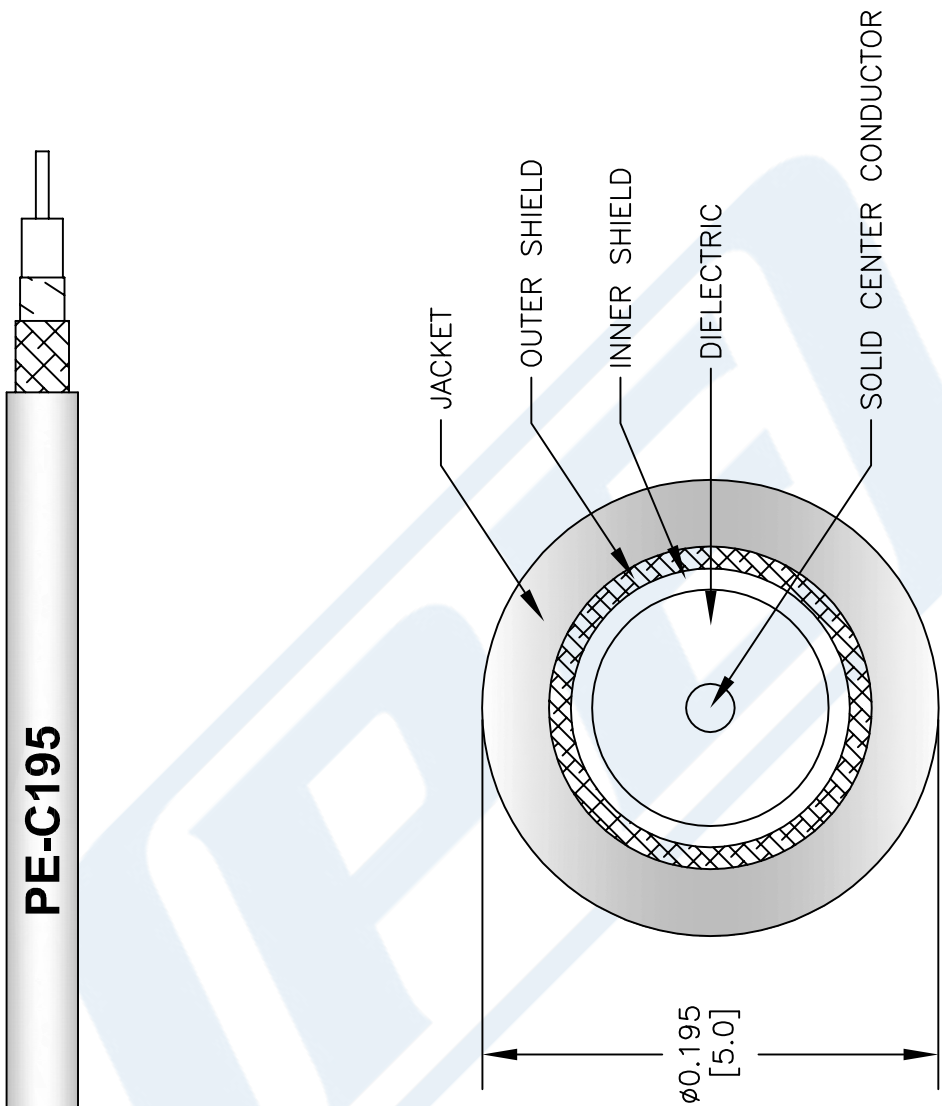
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URL: <http://www.pasternack.com/flexible-0.195-50-ohm-coax-cable-pe-jacket-pe-c195-p.aspx>

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.

PE-C195 CAD Drawing

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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
PE-C195

REV. A FSCM NO. 53919

SIZE A 2233

SCALE N/A

CAD FILE 072211-A

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