

Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

PE-P195-BULK

Configuration

- Low Loss Flexible Cable
- 3 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		22	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			1,900	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

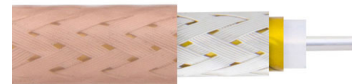
Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.5	1	5	10	GHz
Attenuation, Typ	3.9	8.8	12.5	31.5	45	dB/100ft
	12.8	28.87	41.01	103.35	147.64	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	15	18	20	22		GHz
Attenuation, Typ	58	65	69	73		dB/100ft
	190.29	213.25	226.38	239.5		dB/100m

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.038 lbs/ft [0.06 kg/m]
Min. Bend Radius (Repeated)	1 in [25.4 mm]

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 PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket PE-P195-BULK](#)



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Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid 96% coverage	0.126 in [3.2 mm]
Second Shield	Aluminum Tape	0.132 in [3.35 mm]
Third Shield	Silver Plated Copper Braid 96% coverage	0.155 in [3.94 mm]
Jacket	FEP, Tan	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP 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.

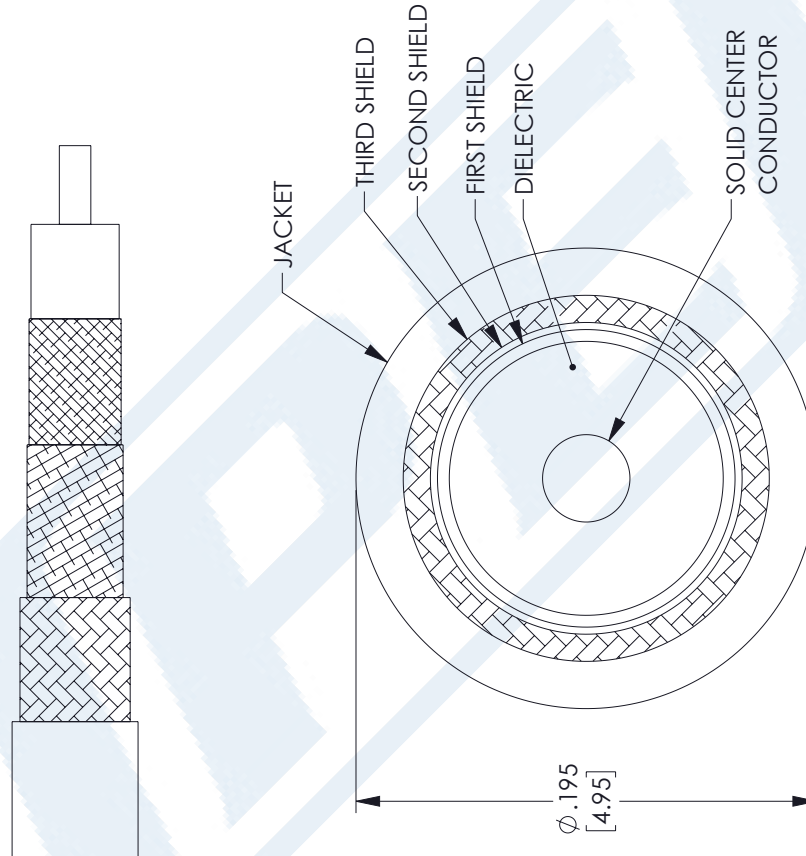
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URL: <https://www.pasternack.com/precision-0.195-rg142-solid-center-conductor-52-ohm-coax-cable-fep-jacket-pe-p195-bulk-p.aspx>

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-P195-BULK CAD Drawing

Low Loss Flexible PE-P195 Coax Cable Triple Shielded with Tan FEP Jacket



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/07/2022	AGANWANI

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS					THIRD-ANGLE PROJECTION				
TOLERANCES:									
X = ± .2 [5.08]					THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.				
XX = ± .02 [.51]					SHEET 1 OF 1				
XXX = ± .005 [.13]					SCALE N/A				
ANGLES ± 1°					REV A				
CABLE LENGTH (L) TOLERANCES:									
L ≤ 12 [305] = ±1 [25] / -0									
12 [305] < L ≤ 60 [1524] = +2 [51] / -0									
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0									
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0									
300 [7620] < L = +5%L / -0									
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.					ITEM NO. PE-P195-BULK				
SIZE A					CAGE CODE 53919				
DRAWN BY DZINN					Fax: 1.949.261.7451				
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