



Low Loss Flexible .500 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

RF Cables
Technical Data Sheet

PE-C500-BULK

Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Velocity of Propagation		86		%
Shielding Effectiveness	90			dB
Operating Voltage (AC)			3,000	Vrms
Nominal Capacitance		23.6 [77.43]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.15	1.5	2.5		GHz
Attenuation, Typ	0.7	1.2	4.1	5.5		dB/100ft
	2.3	3.94	13.45	18.04		dB/100m
Input Power (CW), Max	3,400	1,900	570	430		Watts

Mechanical Specifications

Diameter 0.5 in [12.7 mm]
Weight 0.088 lbs/ft [0.13 kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum, 1 Strand	0.142 in [3.61 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.37 in [9.4 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 .500 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C500-BULK](#)



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Second Shield	Tinned Copper Braid	[]
Jacket	PE, Black	0.5 in [12.7 mm]

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible .500 inch Foam Dielectric 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.

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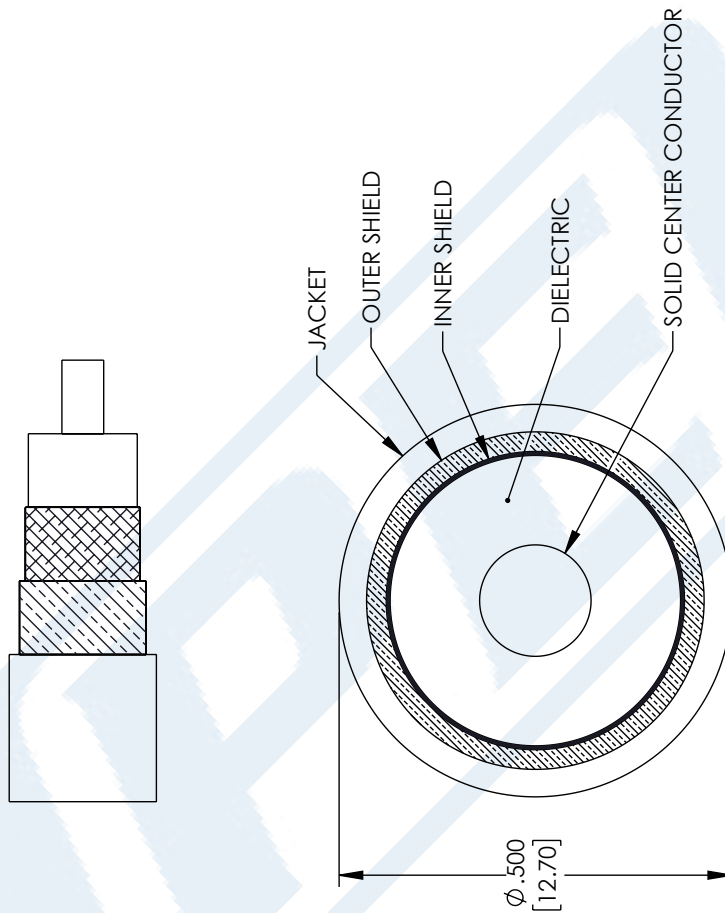
URL: <https://www.pasternack.com/flexible-0.500-50-ohm-coax-cable-pe-jacket-pe-c500-bulk-p.aspx>

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-C500-BULK CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/04/2022	AGANWANI



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

TOLERANCES:

.X = ±.2 [.508] FRACTIONS ± 1/32
 .XX = ±.02 [.51] ANGLES ± 1°
 .XXX = ±.005 [.13]

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% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

PE PASTERNAK
 an INFINITI brand

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ITEM NO. PE-C500-BULK
 DRAWN BY DZINN
 CAGE CODE 53919

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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