

93 Ohm Flexible RG71 Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

RG71B/U

93 Ohm Flexible RG71 Coax Cable Double Shielded with Black PE Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE (AS)
Shield Materials	Tinned Copper Braid, Tinned Copper Braid
Jacket Material and Color	PE, Black

Electrical Specifications

Impedance, Ohms	93
Velocity of Propagation, %	81
Maximum Operating Frequency, MHz	1000
Capacitance, pF/ft [pF/m]	13.5 [44.29]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	50
Attenuation, dB/100ft [dB/100m]	1.37 [4.49]

Frequency 2

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	1.97 [6.46]

Frequency 3

Frequency, MHz	200
Attenuation, dB/100ft [dB/100m]	2.85 [9.35]

Frequency 4

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	4.16 [13.65]

Frequency 5

Frequency, MHz	700
Attenuation, dB/100ft [dB/100m]	5.68 [18.64]

Frequency 6

Frequency, MHz	900
Attenuation, dB/100ft [dB/100m]	6.55 [21.49]

Frequency 7

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	6.95 [22.8]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [93 Ohm Flexible RG71 Coax Cable Double Shielded with Black PE Jacket RG71B/U](#)

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.



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Mechanical Specifications

Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Diameter, in [mm]	0.025 [0.64]

Dielectric:

Type	PE (AS)
Diameter, in [mm]	0.146 [3.71]

Shield:

Number of	2
Material 1	Tinned Copper Braid
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.198 [5.03]

Jacket:

Material	PE
Diameter, in [mm]	0.25 [6.35]
Color	Black
Weight, lbs/ft [Kg/m]	0.044 [0.07]

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

Plotted and Other Data

Notes: Values at 25 °C, sea level

93 Ohm Flexible RG71 Coax Cable Double Shielded with Black PE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% 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: [93 Ohm Flexible RG71 Coax Cable Double Shielded with Black PE Jacket RG71B/U](http://www.pasternack.com/flexible-0.250-rg71-93-ohm-coax-cable-pe-jacket-rg71b-u-p.aspx)

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RG71B/U CAD Drawing

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PASTERNAK ENTERPRISES RG71B/U

IMPEDANCE: 93 OHMS
 INNER CONDUCTOR DIAMETER: .0253"
 INNER CONDUCTOR MATERIAL: COPPER CLAD STEEL
 DIELECTRIC DIAMETER: .146"
 DIELECTRIC MATERIAL: AIR-SPACE SOLID POLYETHYLENE
 NUMBER OF SHIELDS: 2
 SHIELD MATERIAL: TINNED COPPER
 OUTER DIAMETER: .250"
 JACKET MATERIAL: HIGH MOLECULAR WEIGHT, BLACK POLYETHYLENE
 NOMINAL CAPACITANCE (pf/ft): 13.5
 OPERATING TEMPERATURE: -55° TO +80° C
 MAX OPERATING VOLTAGE (VOLTS RMS): 750

NOMINAL ATTENUATION (PER 100 FEET)

10 MHz	.90 dB
100 MHz	2.80 dB
1 GHz	8.50 dB

MAXIMUM POWER HANDLING (AVERAGE POWER IN WATTS)

10 MHz	1,300
100 MHz	310
1 GHz	77



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DWG TITLE

RG71B/U

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].

REV. B

FSCM NO. 53919

CAD FILE 032112

SCALE N/A

SIZE A

2233