

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



PE-SR402FL-BULK

Configuration

- Formable Cable

Features

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's 0.141 hand formable cable is available for same-day shipping from our facility. PE-SR402FL-BULK cables from Pasternack are great choices for solutions requiring high quality and rapid shipping. Our RF cable has a 50 Ohm impedance and is rated for a 20 GHz maximum operating frequency. This high-quality cable is part of a large selection of in-stock, commercial-off-the-shelf, and custom-built coaxial cable assemblies for RF and microwave that all ship the same business day as they are ordered.

These formable RF cables are built with RF shielding of 110 dB and have a cable weight of 0.025 lbs/ft. Our RF coaxial cable has a 0.037-inch SPC (silver-plated copper) conductor. The coaxial RF cable has a maximum attenuation of 70 dB/100ft at a frequency of 20 GHz.

The technical performance specifications of this 20 GHz cable are located on the PE-SR402FL-BULK datasheet PDF, along with a CAD drawing and dimensions. Our RF cable has a PTFE dielectric type. This RF cable has a tinned copper braid outer conductor and a maximum operating temperature of 125 deg C. The Pasternack 0.141 hand formable RF cable data sheet with specs and drawing dimensions can be found on this product page just above.

0.141 hand formable cable is one of a large selection of in-stock RF products available. Pasternack not only has this off-the-shelf but also custom versions of our cable assemblies are available for same-day shipping, we have thousands of other products that have same day shipping. Our expert technical support and knowledgeable sales teams are ready to help and answer your RF coaxial cable questions.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	110			dB
Inner Conductor DC Resistance			7.8	Ohms/1000ft
Outer Conductor DC Resistance			5.5	Ohms/1000ft
Nominal Capacitance	29 [95.14]			pF/ft [pF/m]
Power@ 1GHz			400	Watts

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Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8	12	29	45	70	dB/100ft
	26.25	39.37	95.14	147.64	229.66	dB/100m

Mechanical Specifications

Weight	0.025 lbs/ft [0.04 kg/m]
Min. Bend Radius (Repeated)	0.625 in [15.88 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.119 in [3.02 mm]
Outer Conductor	Tinned Copper Braid	0.141 in [3.58 mm]
	100% coverage	

Environmental Specifications

Temperature	
Operating Range	-55 to +125 deg C

Compliance Certifications

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

Plotted and Other Data

Notes:

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor 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: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL-BULK](#)

URL: <https://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-bulk-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE-SR402FL-BULK CAD Drawing

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