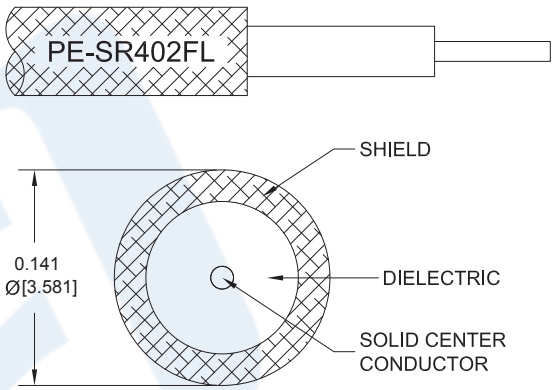
PASTERNACK
an INFINITE brand

3.5mm Male to 3.5mm Male Cable Using PE-SR402FL Coax In 150 CM Length

RF Cable Assemblies Technical Data Sheet PE35184-150CM

Configuration

- Connector 1: 3.5mm Male
- Connector 2: 3.5mm Male
- Cable Type: PE-SR402FL



Features

- Max Frequency 20 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity
- 500 Mating Cycles

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE35184-150CM 3.5mm male to 3.5mm male cable using PE-SR402FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly preformed semi-rigid assemblies since they are hand formable. This Pasternack 3.5mm to 3.5mm cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE35184-150CM 3.5mm male to 3.5mm male cable assembly operates to 20 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3.5mm Male to 3.5mm Male Cable Using PE-SR402FL Coax In 150 CM Length PE35184-150CM

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
VSWR			1.3:1	
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		7.8 [25.59]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		5.5 [18.04]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.8	1.09	1.75	2.66	4.34	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Length*	59.05 in [149.99 cm]
Weight	0.123 lbs [55.79 g]

Cable

Cable Type	PE-SR402FL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Outer Conductor Material and Plating	Tinned Copper Braid
Repeated Minimum Bend Radius	0.625 in [15.88 mm]

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Connectors

Description	Connector 1	Connector 2
Type	3.5mm Male	3.5mm Male
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PCTFE	PCTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE35184 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE35184 — Base Number

Example: PE35184-12 = 12 inches long cable
PE35184-100cm = 100 cm long cable

3.5mm Male to 3.5mm Male Cable Using PE-SR402FL Coax In 150 CM Length 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/3.5mm-male-to-3.5mm-male-cable-150-cm-length-using-pe-sr402fl-pe35184-150cm-p.aspx

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PE35184-150CM CAD Drawing

3.5mm Male to 3.5mm Male Cable Using PE-SR402FL Coax In 150 CM Length