



PE3C10087

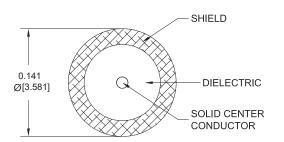
Configuration

Connector 1: 3.5mm Male
Connector 2: N Male
Cable Type: PE-SR402FL
Coax Flex Type: Formable

Features

- Max Frequency 11 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity





Applications

· General Purpose

· Laboratory Use

Description

Pasternack's PE3C10087 3.5mm male to type N 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 pre-formed semi-rigid assemblies since they are hand formable. This Pasternack 3.5mm to type N cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE3C10087 3.5mm male to type N male cable assembly operates to 11 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units	
Frequency Range	DC		11	GHz	
VSWR			1.4:1		
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]		Ohms/1000ft [Ohms/Km]	
DC Resistance Outer Conductor		5.5 [18.04] Ohms/1000ft [Ohms/Kn			

Specifications by Frequency





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Part Number Length	Longth	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
	Length	Frequency	500	1000	2500	5000	11000	MHz	
PE3C10087	Custom Lengths	Insertion Loss (Typ.)	0.08	0.12	0.183	0.29	0.475	dB/ft	
FL3C10087	Available	ilisertion Loss (Typ.)	0.27	0.4	0.61	0.96	1.56	dB/m	
PE3C10087-6	6 Inch	Insertion Loss (Typ.)	0.17	0.2	0.26	0.34	0.48	dB	0.083
PE3C10087-9	9 Inch	Insertion Loss (Typ.)	0.19	0.23	0.31	0.41	0.59	dB	0.089
PE3C10087-12	12 Inch	Insertion Loss (Typ.)	0.21	0.26	0.35	0.48	0.71	dB	0.095
PE3C10087-18	18 Inch	Insertion Loss (Typ.)	0.25	0.32	0.44	0.63	0.95	dB	0.108
PE3C10087-24	24 Inch	Insertion Loss (Typ.)	0.29	0.38	0.53	0.77	1.19	dB	0.121

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB

Loss due to Connector 2: 0.04*SQRT(FGHz) dB

Base Weight: 0.095 pounds

Additional Weight per Inch: 0.00209 pounds

Mechanical Specifications

Cable Assembly

 Width/Diameter
 0.5 in [12.7 mm]

 Weight
 0.095 lbs [43.09 g]

Cable

Cable TypePE-SR402FLImpedance50 OhmsInner Conductor TypeSolidInner Conductor Material and PlatingCopper, SilverDielectric TypePTFE

Outer Conductor 1 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		
Туре	3.5mm Male	N Male		
Impedance	50 Ohms	50 Ohms		
Configuration	Straight	Straight		
Mating Cycles	500			
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Brass, Gold over Nickel		
Contact Plating Specification	50 μin minimum			
Dielectric Type	PCTFE	PTFE		
Body Material and Plating	Passivated Stainless Steel	Brass, Nickel		
Body Plating Specification	SAE-AMS-2700			
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Nickel		
Coupling Nut Plating Specification	SAE-AMS-2700			
Hex Size	5/16 inch			
Torque	8 in-lbs 0.9 Nm			

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

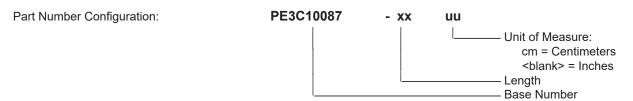




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Typical Performance Data

How to Order



Example: PE3C10087-12 = 12 inches long cable

PE3C10087-100cm = 100 cm long cable

3.5mm Male to N Male Cable Using PE-SR402FL Coax 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: 3.5mm Male to N Male Cable Using PE-SR402FL Coax PE3C10087

URL: https://www.pasternack.com/3.5mm-male-to-n-male-cable-using-pe-sr402fl-pe3c10087-p.aspx

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