



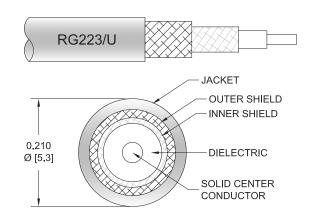
PE3W03490

Configuration

Connector 1: N MaleConnector 2: SMA MaleCable Type: RG223Coax Flex Type: Flexible

Features

- Max Frequency 11 GHz
- 66% Phase Velocity
- · Double Shielded
- PVC Jacket



Applications

· General Purpose

· Laboratory Use

Description

Pasternack's PE3W03490 type N male to SMA male cable using RG223 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack type N to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG223 coax. The PE3W03490 type N male to SMA male cable assembly operates to 11 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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					
Velocity of Propagation		66		%	
Capacitance		30.8 [101.05]			
Operating Voltage (AC)			500	Vrms	

Specifications by Frequency





PE3W03490

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2500	5000	11000	MHz	
PE3W03490	Custom Lengths	Insertion Loss (Typ.)	0.09	0.13	0.21	0.33	0.54	dB/ft	
F L3 W U3 43 U	Available	ilisertion Loss (Typ.)	0.3	0.43	0.69	1.09	1.78	dB/m	
PE3W03490-12	12 inch	Insertion Loss (Typ.)	0.29	0.33	0.41	0.53	0.74	dB	0.114
PE3W03490-24	24 inch	Insertion Loss (Typ.)	0.38	0.46	0.62	0.86	1.28	dB	0.146
PE3W03490-36	36 inch	Insertion Loss (Typ.)	0.47	0.59	0.83	1.19	1.82	dB	0.177
PE3W03490-60	60 inch	Insertion Loss (Typ.)	0.65	0.85	1.25	1.85	2.9	dB	0.239
PE3W03490-72	72 inch	Insertion Loss (Typ.)	0.74	0.98	1.46	2.18	3.44	dB	0.27

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 dBLoss due to Connector 2:0.1 dBBase Weight:0.114 poundsAdditional Weight per Inch:0.00259 pounds

Mechanical Specifications

Cable Assembly

Weight 0.114 lbs [51.71 g]

Cable

Cable TypeRG223Impedance50 OhmsInner Conductor TypeSolidInner Conductor Material and PlatingCopper, Silver

Dielectric Type PE

Number of Shields 2
Shield Layer 1 Silver Plated Copper Braid
Shield Layer 2 Silver Plated Copper Braid

Jacket MaterialPVC, BlackJacket Diameter0.209 in [5.31 mm]Repeated Minimum Bend Radius1 in [25.4 mm]





PE3W03490

Connectors

Description	Connector 1	Connector 2
Туре	N Male	SMA Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 μin minimum	50 μin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Specification		100 μin minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Plating Specification		100 μin minimum
Hex Size	18 mm	5/16 inch
Torque	9 in-lbs 1.02 Nm	3 in-lbs 0.34 Nm

Environmental Specifications

Operating Range Temperature

-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:





PE3W03490

Typical Performance Data

How to Order



Example: PE3W03490-12 = 12 inches long cable

PE3W03490-100cm = 100 cm long cable

N Male to SMA Male Cable Using RG223 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: N Male to SMA Male Cable Using RG223 Coax PE3W03490

URL: https://www.pasternack.com/n-male-to-sma-male-cable-using-rg223-pe3w03490-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 impliment 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.

