

SC Male Right Angle to SC Male Cable Using RG393 Coax



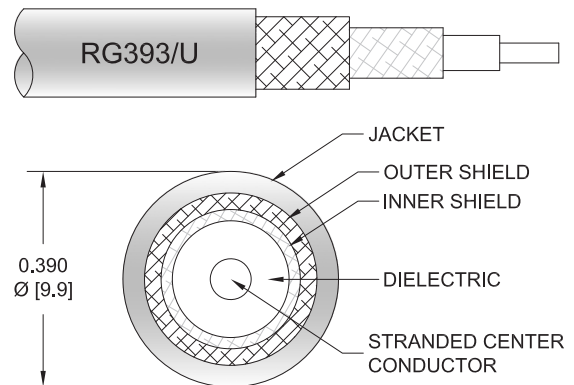
PE3W02773

Configuration

- Connector 1: SC Male Right Angle
- Connector 2: SC Male
- Cable Type: RG393
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W02773 SC male right angle to SC male cable using RG393 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 SC to SC cable assembly has a male to male gender configuration with 50 ohm flexible RG393 coax. The PE3W02773 SC male to SC male cable assembly operates to 6 GHz. The right angle SC interface on the RG393 cable allows for easier connections in tight spaces. 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		6	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		250	500	1000	2500	
PE3W02773	Custom Lengths Available	Insertion Loss (Typ.)	0.03	0.05	0.08	0.13	0.238	dB/ft	
			0.1	0.15	0.25	0.42	0.79	dB/m	
PE3W02773-12	12 inch	Insertion Loss (Typ.)	0.33	0.35	0.38	0.43	0.54	dB	0.438
PE3W02773-24	24 inch	Insertion Loss (Typ.)	0.36	0.39	0.45	0.55	0.78	dB	0.596
PE3W02773-36	36 inch	Insertion Loss (Typ.)	0.39	0.44	0.53	0.68	1.02	dB	0.754
PE3W02773-60	60 inch	Insertion Loss (Typ.)	0.45	0.53	0.68	0.93	1.49	dB	1.069
PE3W02773-72	72 inch	Insertion Loss (Typ.)	0.48	0.57	0.75	1.05	1.73	dB	1.226

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:	0.2 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.438 pounds
Additional Weight per Inch:	0.01313 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.438 lbs [198.67 g]

Cable

Cable Type	RG393
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.39 in [9.91 mm]
Repeated Minimum Bend Radius	3.9 in [99.06 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SC Male Right Angle	SC Male
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	QQ-S-365	200 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	100 µin minimum

Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

Plotted and Other Data

Notes:

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PE3W02773

Typical Performance Data

How to Order

Part Number Configuration:

PE3W02773

- xx

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W02773-12 = 12 inches long cable
PE3W02773-100cm = 100 cm long cable

SC Male Right Angle to SC Male Cable Using RG393 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: [SC Male Right Angle to SC Male Cable Using RG393 Coax PE3W02773](#)

URL: <https://www.pasternack.com/sc-male-right-angle-to-sc-male-cable-using-rg393-pe3w02773-p.aspx>

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PE3W02773 CAD Drawing

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