

75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE Coax

PE36143

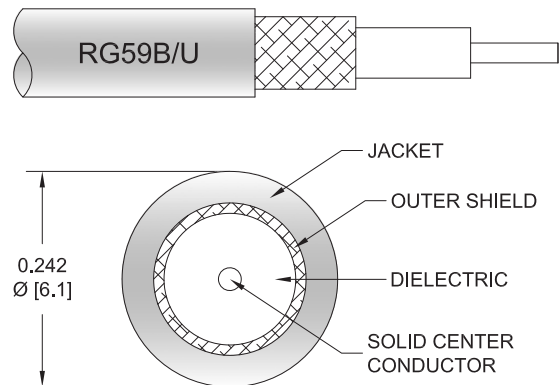


Configuration

- Connector 1: F Male
- Connector 2: F Male
- Cable Type: RG59
- Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- 83% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36143 75 ohm type F male to 75 ohm type F male cable using 75 ohm RG59-WHITE 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 F to type F cable assembly has a male to male gender configuration with 75 ohm flexible RG59 coax. The PE36143 type F male to type F male cable assembly operates to 1 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		1,000	MHz
Velocity of Propagation		83		%
Capacitance		16.2 [53.15]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.207	0.214	0.236	0.256	0.281	dB/ft
	0.68	0.7	0.77	0.84	0.92	dB/m

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Mechanical Specifications

Cable Assembly

Width/Diameter	0.433 in [11 mm]
Weight	0.283 lbs [128.37 g]

Cable

Cable Type	RG59
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Aluminum Braid
Jacket Material	PVC, White
Jacket Diameter	0.242 in [6.15 mm]
One Time Minimum Bend Radius	2.5 in [63.5 mm]

Connectors

Description	Connector 1	Connector 2
Type	F Male	F Male
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	100μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	100μ in. minimum
Hex Size	7/16 in	7/16 in
Torque	15 in-lbs 1.7 Nm	15 in-lbs 1.7 Nm

Environmental Specifications

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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Typical Performance Data

How to Order

Part Number Configuration:

PE36143

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE36143-12 = 12 inches long cable
PE36143-100cm = 100 cm long cable

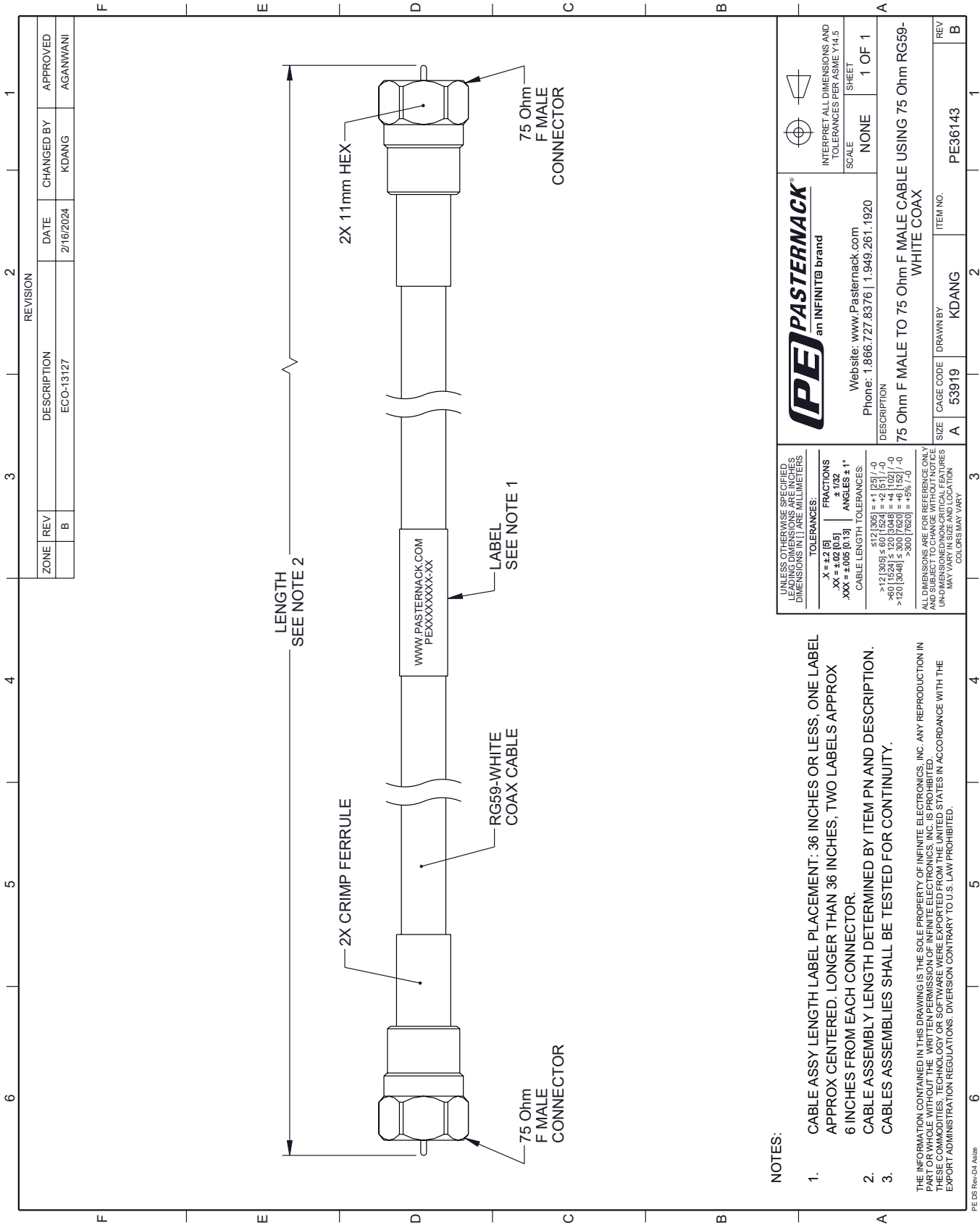
75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE Coax PE36143](https://www.pasternack.com/f-male-f-male-rg59-white-cable-assembly-pe36143-p.aspx)

URL: <https://www.pasternack.com/f-male-f-male-rg59-white-cable-assembly-pe36143-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.

PE36143 CAD Drawing
75 Ohm F Male to 75 Ohm F Male Cable Using 75 Ohm RG59-WHITE Coax



NOTES:

- CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

≤ 12 [305]	±.12 [3.05]
> 12 [305] ≤ 60 [1524]	±.12 [3.05]
> 60 [1524] ≤ 120 [3048]	±.12 [3.05]
> 120 [3048]	±.12 [3.05]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN [] ARE MILLIMETERS. COLORS MAY VARY.

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PE DS Rev-D4 Asize

PE PASTERNAK an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com		SCALE	SHEET
Phone: 1.866.727.8376 1.949.261.1920		NONE	1 OF 1

DESCRIPTION
75 Ohm F MALE TO 75 Ohm F MALE CABLE USING 75 Ohm RG59-WHITE COAX

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE36143	B