



7/16 DIN Male to 7/16 DIN Male Right Angle Low PIM Cable Using 1/2 inch Superflexible Coax

TECHNICAL DATA SHEET

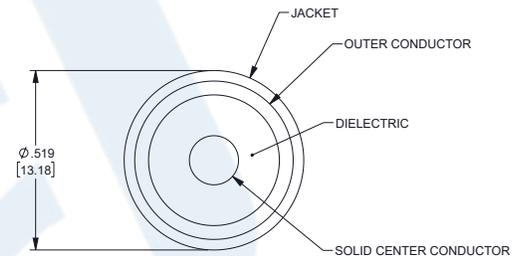
PE3C5960

Configuration

- Connector 1: 7/16 DIN Male
- Connector 2: 7/16 DIN Male Right Angle
- Cable Type: 1/2" Superflexible
- Coax Flex Type: Corrugated

Features

- Shielding Effectivity > 120 dB
- 82% Phase Velocity
- PE Jacket



Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

Description

Pasternack's PE3C5960 7/16 DIN male to 7/16 DIN male right angle cable using 1/2 inch superflexible coax is part of our full line of RF components available for same-day shipping. Pasternack's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. This Pasternack 7/16 DIN to 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm corrugated 1/2" superflexible coax. Our low PIM design also offers excellent passive intermodulation performance. The right angle 7/16 DIN interface on the 1/2" superflexible cable allows for easier connections in tight spaces.

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
Velocity of Propagation		82		%
RF Shielding	120			dB
Capacitance		25.3 [83.01]		pF/ft [pF/m]
Inductance		0.059 [0.19]		uH/ft [uH/m]
DC Resistance Inner Conductor		0.91 [2.99]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		1.08 [3.54]		Ω/1000ft [Ω/Km]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to 7/16 DIN Male Right Angle Low PIM Cable Using 1/2 inch Superflexible Coax PE3C5960](#)



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Mechanical Specifications

Cable Assembly

Weight 0.888 lbs [402.79 g]

Cable

Cable Type 1/2" Superflexible
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Aluminum
 Dielectric Type PE (F)
 Number of Shields 1
 Outer Conductor Material and Plating Helically Corrugated Copper Tube
 Jacket Material PE, Black
 Jacket Diameter 0.535 in [13.59 mm]

One Time Minimum Bend Radius 0.6 in [15.24 mm]
 Repeated Minimum Bend Radius 1.18 in [29.97 mm]
 Typical Flex Cycles 20
 Tensile Strength 157 lbs [71.21 Kg]

Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male Threaded	7/16 DIN Male Right Angle Threaded
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Brass, Silver
Contact Plating Specification		5µ in. minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification		2µ in. minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Plating Specification		5µ in. minimum
Hex Size	1 1/4 in.	1 1/4 in.
Torque	18.417 ft-lbs [24.97 Nm]	18.439 ft-lbs [25 Nm]

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

Plotted and Other Data

Notes:

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Cable Using 1/2 inch Superflexible Coax

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How to Order

Part Number Configuration:

PE3C5960

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3C5960-12 = 12 inches long cable
PE3C5960-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Male Right Angle Low PIM Cable Using 1/2 inch Superflexible 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.

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URL: <https://www.pasternack.com/7-16-din-male-to-7-16-din-male-low-pim-cable-using-1-2-inch-superflexible-pe3c5960-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3C5960 CAD Drawing

7/16 DIN Male to 7/16 DIN Male Right Angle Low PIM Cable Using 1/2 inch Superflexible Coax

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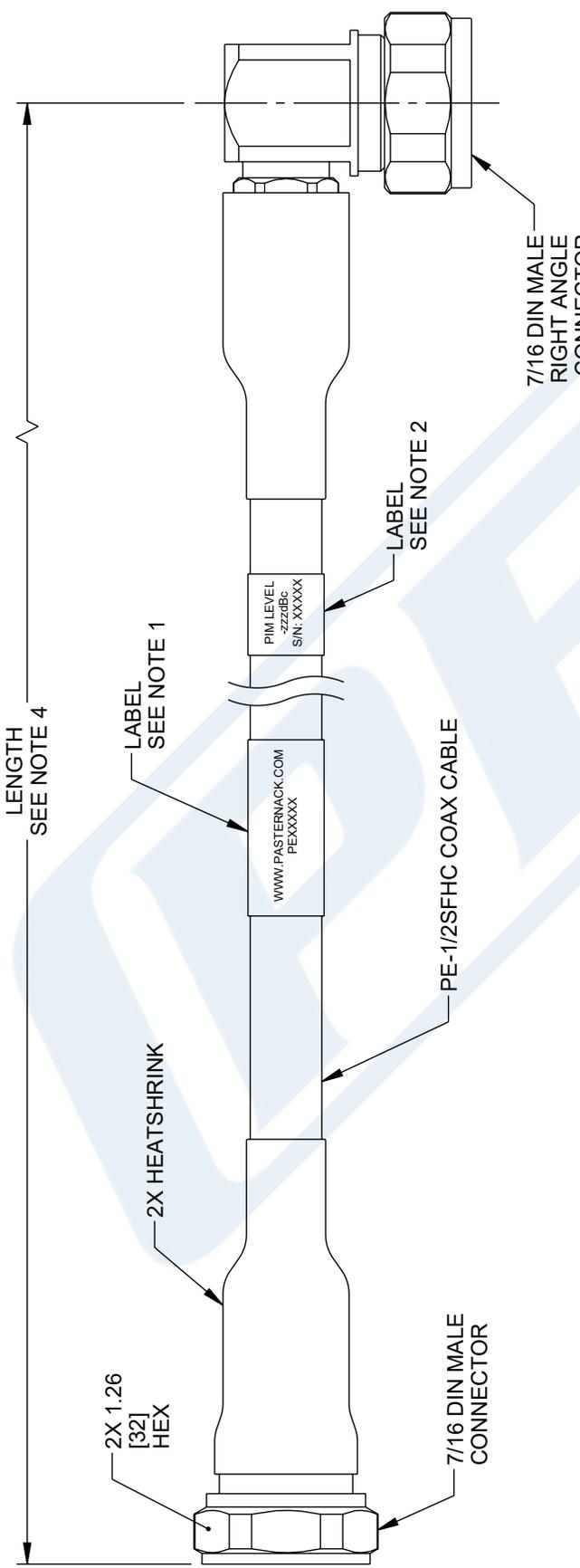
D

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B

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/05/2023	DMAY	AGANWANI



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. PIM LEVEL LABEL PLACEMENT: APPROXIMATELY 6 INCHES FROM CABLE END, 1 PLACE, FOR ALL LENGTHS OF CABLE.
3. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
4. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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<p>PASTERNAK an INFINITI brand</p>	<p>Website: www.Pastermack.com</p> <p>Phone: 1.866.727.8376 1.949.261.1920</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
	<p>DESCRIPTION: 7/16 DIN MALE TO 7/16 DIN MALE RIGHT ANGLE LOW PIM CABLE USING 1/2 INCH SUPERFLEXIBLE COAX</p>	<p>ITEM NO. PE3C5960</p>
<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE IN MILLIMETERS</p> <p>TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]</p> <p>FRACTIONS ± 1/32</p> <p>ANGLES ± 1°</p> <p>CABLE LENGTH TOLERANCES: ≤ 12 [305] = ±.1 [2.5] / -0 > 12 [305] ≤ 60 [1524] = ±.2 [5.1] / -0 > 60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0 > 120 [3048] ≤ 300 [7620] = ±.6 [15.2] / -0 > 300 [7620] = ±.5% / -0</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p>	<p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY DMAY</p>	<p>REV A</p>