

7/16 DIN Male to N Male Low PIM Cable 200 CM Length Using TFT-5G-402 Coax Using Times Microwave Components

PE3C8323-200CM

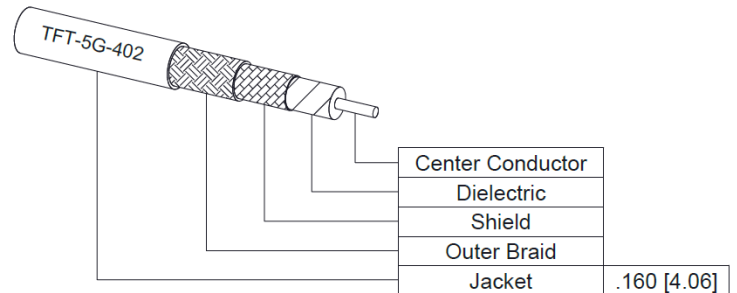


Configuration

- Connector 1: 7/16 DIN Male
- Connector 2: N Male
- Cable Type: TFT-5G-402
- Coax Flex Type: Flexible

Features

- Max Frequency 5.8 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 80 dB
- 76% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Low PIM Applications
- Plenum Rated Applications
- Laboratory Use
- Indoor and Outdoor Use

Description

Pasternack's PE3C8323-200CM 7/16 DIN male to type N male 200 cm cable using TFT-5G-402 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 7/16 DIN to type N cable assembly has a male to male gender configuration with 50 ohm flexible TFT-5G-402 coax. The PE3C8323-200CM 7/16 DIN male to type N male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 80 dB.

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		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	80			dB
Passive Intermodulation			-160	dBc
IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz				

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Capacitance		26.7 [87.6]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.53	0.72	0.97	1.51	2.28	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the 7/16 DIN connector and $0.1 \cdot \sqrt{\text{F}} \text{ GHz}$ dB for the N connector.

Mechanical Specifications

Cable Assembly

Width/Diameter 1.25 in [31.75 mm]

Cable

Cable Type TFT-5G-402
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper
Dielectric Type PTFE
Number of Shields 2
Jacket Material FEP, Blue
Jacket Diameter 0.16 in [4.06 mm]
One Time Minimum Bend Radius 0.75 in [19.05 mm]

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Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Male	N Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	5 µm	200 µin
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	3 µm	80 µin
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	3 µm	80 µin
Torque	22.083 ft-lbs 29.95 Nm	15 in-lbs 1.7 Nm

Environmental Specifications

Operating Range Temperature -40 to +125 deg C

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

Plotted and Other Data

Notes:

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PE3C8323-200CM

Typical Performance Data

How to Order

Part Number Configuration:

PE3C8323

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C8323-12 = 12 inches long cable
PE3C8323-100cm = 100 cm long cable

7/16 DIN Male to N Male Low PIM Cable 200 CM Length Using TFT-5G-402 Coax Using Times Microwave Components 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.

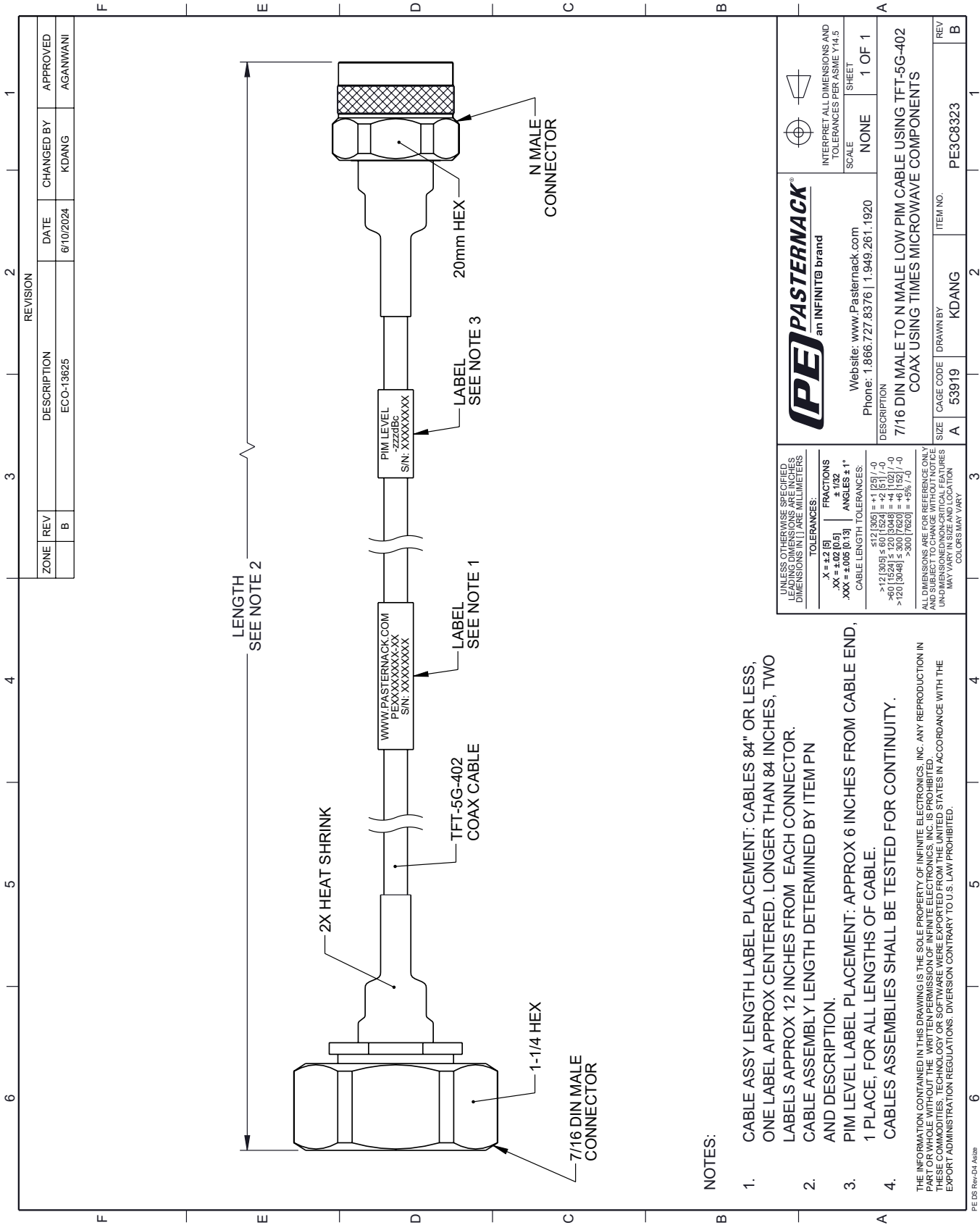
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to N Male Low PIM Cable 200 CM Length Using TFT-5G-402 Coax Using Times Microwave Components PE3C8323-200CM](https://www.pasternack.com/7-16-din-male-to-n-male-low-pim-cable-200-cm-length-using-tft-5g-402-pe3c8323-200cm.html)

URL: <https://www.pasternack.com/7-16-din-male-to-n-male-low-pim-cable-200-cm-length-using-tft-5g-402-pe3c8323-200cm.html>

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PE3C8323-200CM CAD Drawing

7/16 DIN Male to N Male Low PIM Cable 200 CM Length Using TFT-5G-402 Coax Using Times Microwave Components



NOTES:

- CABLE ASSY LENGTH LABEL PLACEMENT: CABLES 84" OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 84 INCHES, TWO LABELS APPROX 12 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- PIM LEVEL LABEL PLACEMENT: APPROX 6 INCHES FROM CABLE END, 1 PLACE, FOR ALL LENGTHS OF CABLE.
- CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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TOLERANCES:

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

CABLE LENGTH TOLERANCES:

≤ 12 [305]	± .60 [15.24]
> 12 [305]	± .60 [15.24]
> 40 [1024]	± .60 [15.24]
> 120 [3048]	± .60 [15.24]
> 240 [6096]	± .60 [15.24]

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

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION
7/16 DIN MALE TO N MALE LOW PIM CABLE USING TFT-5G-402 COAX USING TIMES MICROWAVE COMPONENTS

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE3C8323	B