

SMA Male Right Angle to Bordeaux FAKRA Jack Cable Using RG316 Coax



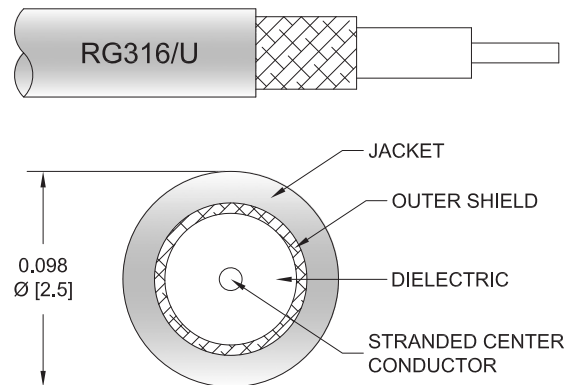
PE3C0540

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: FAKRA Jack
- Cable Type: RG316
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0540 SMA male right angle to bordeaux FAKRA jack cable using RG316 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 SMA to FAKRA cable assembly has a male to jack gender configuration with 50 ohm flexible RG316 coax. The PE3C0540 SMA male to FAKRA jack cable assembly operates to 3 GHz. The right angle SMA interface on the RG316 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
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

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PE3C0540

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE3C0540	Custom Lengths Available	Insertion Loss (Typ.)	0.11	0.16	0.24	0.38	0.58	dB/ft	
			0.37	0.53	0.79	1.25	1.91	dB/m	
PE3C0540-12	12 inch	Insertion Loss (Typ.)	0.41	0.46	0.54	0.68	0.88	dB	0.033
PE3C0540-24	24 inch	Insertion Loss (Typ.)	0.52	0.62	0.78	1.06	1.46	dB	0.044
PE3C0540-36	36 inch	Insertion Loss (Typ.)	0.63	0.78	1.02	1.44	2.04	dB	0.054
PE3C0540-48	48 inch	Insertion Loss (Typ.)	0.74	0.94	1.26	1.82	2.62	dB	0.064
PE3C0540-72	72 inch	Insertion Loss (Typ.)	0.96	1.26	1.73	2.58	3.78	dB	0.084

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:	0.033 pounds
Additional Weight per Inch:	0.00084 pounds

Mechanical Specifications

Cable Assembly

Weight	0.033 lbs [14.97 g]
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Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	FAKRA Jack
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Color		BD
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Nickel
Body Material and Plating	Brass, Nickel	Plastic
Body Plating Specification	100 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 in	
Torque	5 in-lbs 0.57 Nm	

Environmental Specifications

Operating Range Temperature -40 to +85 deg C

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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PE3C0540

Typical Performance Data

How to Order

Part Number Configuration:

PE3C0540

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3C0540-12 = 12 inches long cable
PE3C0540-100cm = 100 cm long cable

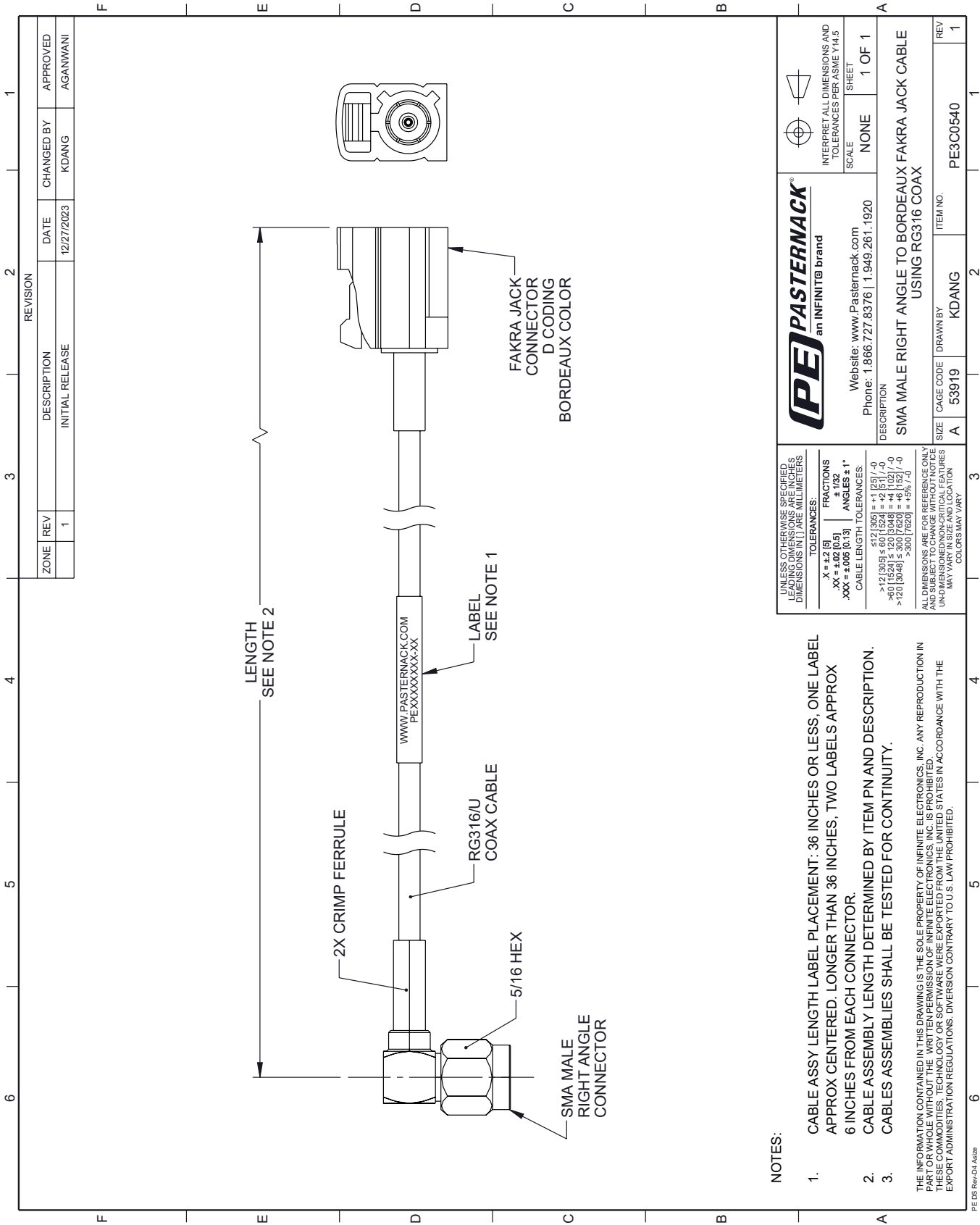
SMA Male Right Angle to Bordeaux FAKRA Jack Cable Using RG316 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to Bordeaux FAKRA Jack Cable Using RG316 Coax PE3C0540](https://www.pasternack.com/sma-male-right-angle-to-fakra-jack-cable-using-rg316-pe3c0540-p.aspx)

URL: <https://www.pasternack.com/sma-male-right-angle-to-fakra-jack-cable-using-rg316-pe3c0540-p.aspx>

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PE3C0540 CAD Drawing
SMA Male Right Angle to Bordeaux FAKRA Jack Cable Using RG316 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:	FRACTIONS
.X = ±.2 [5]	± 1/32
.XX = ±.02 [0.5]	± .005
.XXX = ±.005 [0.13]	ANGLES ± 1°

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. DIMENSIONS IN [] ARE MILLIMETERS. COLORS MAY VARY.

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PE DS Rev-D4 Asize

REVISION	
ZONE	REV
DESCRIPTION	DATE
INITIAL RELEASE	12/27/2023
CHANGED BY	AGANWANI
APPROVED	

PASTERNAK® an INFINITE brand	
Website: www.Pasternack.com	
Phone: 1.866.727.8376 1.949.261.1920	
DESCRIPTION	
SMA MALE RIGHT ANGLE TO BORDEAUX FAKRA JACK CABLE USING RG316 COAX	
SIZE	CAGE CODE
A	53919
DRAWN BY	ITEM NO.
KDANG	PE3C0540
REV	1