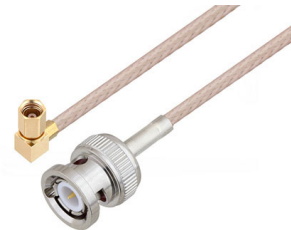


BNC Male to SSMC Plug Right Angle Cable
Using RG316-DS Coax , LF Solder



RF Cable Assemblies Technical Data Sheet

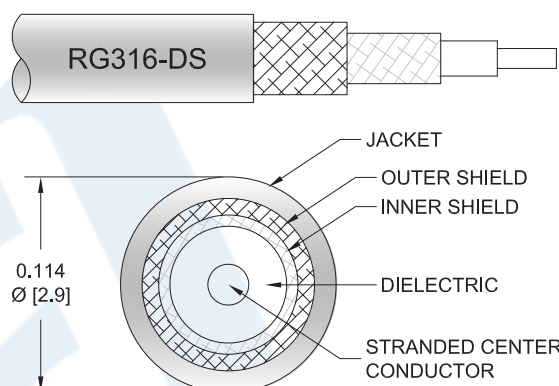
PE3C4476LF

Configuration

- Connector 1: BNC Male
- Connector 2: SSMC Plug Right Angle
- Cable Type: RG316-DS

Features

- Max Frequency 3 GHz
- Shielding Effectivity > 85 dB
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

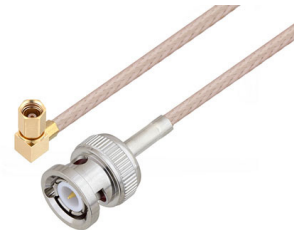
- General Purpose
- Laboratory Use

Description

Pasternack's PE3C4476LF BNC male to SSMC plug right angle cable using RG316-DS 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 BNC to SSMC cable assembly has a male to plug gender configuration with 50 ohm flexible RG316-DS coax. The PE3C4476LF BNC male to SSMC plug cable assembly operates to 3 GHz. The right angle SSMC interface on the RG316-DS cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 85 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to SSMC Plug Right Angle Cable Using RG316-DS Coax , LF Solder PE3C4476LF](#)



BNC Male to SSMC Plug Right Angle Cable Using RG316-DS Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C4476LF

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	85			dB
Capacitance		28.96 [95.01]		pF/ft [pF/m]
DC Resistance Inner Conductor		83.82 [275]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		5.33 [17.49]		Ω/1000ft [Ω/Km]
Operating Voltage (AC)			250	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.109	0.159	0.237	0.379	0.579	dB/ft
	0.36	0.52	0.78	1.24	1.9	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

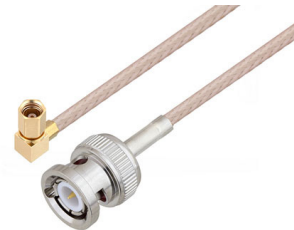
Weight 0.049 lbs [22.23 g]

Cable

Cable Type RG316-DS
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, 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 0.114 in [2.9 mm]

One Time Minimum Bend Radius 0.59 in [14.99 mm]
Repeated Minimum Bend Radius 1.57 in [39.88 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to SSMC Plug Right Angle Cable Using RG316-DS Coax , LF Solder PE3C4476LF](#)



BNC Male to SSMC Plug Right Angle Cable
Using RG316-DS Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C4476LF

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	SSMC Plug Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum	MIL-G-45204
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100µ in. minimum	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel	Beryllium Copper, Gold
Coupling Nut Plating Specification	100µ in. minimum	MIL-G-45204
Torque		1.75 in-lbs [0.2 Nm]

Environmental Specifications

Temperature

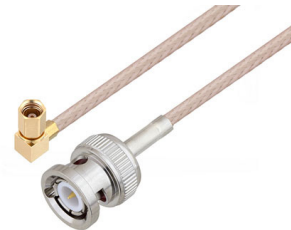
Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to SSMC Plug Right Angle Cable Using RG316-DS Coax , LF Solder PE3C4476LF](#)



BNC Male to SSMC Plug Right Angle Cable Using RG316-DS Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3C4476LF

How to Order

Part Number Configuration:

PE3C4476LF

- **xx**

uu

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

Example: PE3C4476LF-12 = 12 inches long cable
PE3C4476LF-100cm = 100 cm long cable

BNC Male to SSMC Plug Right Angle Cable Using RG316-DS Coax , LF Solder 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.

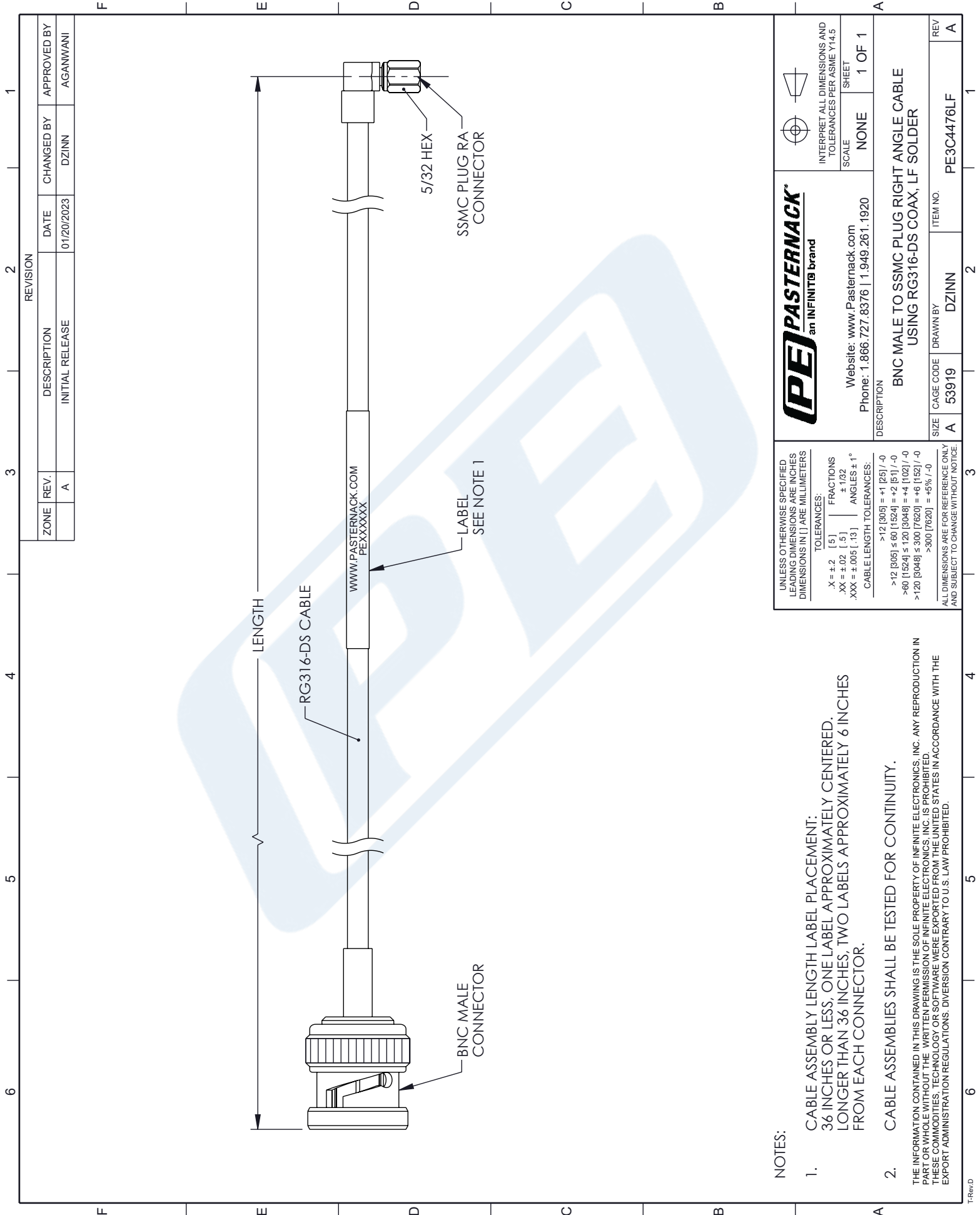
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URL: <https://www.pasternack.com/bnc-male-to-ssmc-plug-cable-using-rg316-ds-lf-solder-pe3c4476lf-p.aspx>

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PE3C4476LF CAD Drawing

BNC Male to SSMC Plug Right Angle Cable Using RG316-DS Coax , LF Solder



NOTES:

- 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.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		SCALE	SHEET
X = +.2 [.5] FRACTIONS XX = +.02 [.5] +.02 XXX = +.005 [.13] ANGLES ± 1°		NONE	1 OF 1
CABLE LENGTH TOLERANCES:			
>120 [3048] ≤ +1 [25] / -0			
>120 [305] ≤ 60 [1524] = +2 [51] / -0			
>60 [1524] ≤ 120 [3048] = +4 [102] / -0			
>120 [3048] ≤ 300 [7620] = +6 [152] / -0			
>300 [7620] = +5% / -0			
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.			
DESCRIPTION		ITEM NO.	REV
BNC MALE TO SSMC PLUG RIGHT ANGLE CABLE USING RG316-DS COAX, LF SOLDER		DZINN	A
SIZE	CAGE CODE	DRAWN BY	
A	53919		
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		PE3C4476LF	

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

TOLERANCES:
 X = ±.2 [5] FRACTIONS
 .XX = ±.02 [.5] ±.1/32
 .XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 >12 [305] = +1 [25] / -0
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