SMC Plug to BNC Male Cable 48 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet   PE3C3425-48

Configuration

- Connector 1: SMC Plug
- Connector 2: BNC Male
- Cable Type: RG174

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Max.)	0.37	0.54	0.75	1.05	1.48	dB
Insertion Loss (Typ.)	0.368	0.536	0.748	1.047	1.48	dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

Mechanical Specifications

Cable Assembly
Length*   48 in [121.92 cm]
Diameter   0.57 in [14.48 mm]

Cable
Cable Type   RG174
Impedance   50 Ohms
Inner Conductor Type   Stranded
Inner Conductor Material and Plating   Copper Clad Steel, Silver
Dielectric Type   PE (LD)
Number of Shields   1

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMC Plug to BNC Male Cable 48 Inch Length Using RG174 Coax PE3C3425-48

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Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMC Plug	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50µ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100µ in. minimum
Hex Size	1/4 inch	

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications
Temperature
Operating Range   -40 to +80 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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How to Order

Part Number Configuration: **PE3C3425**   **- xx   uu**

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

Example: PE3C3425-12 = 12 inches long cable
            PE3C3425-100cm = 100 cm long cable

SMC Plug to BNC Male Cable 48 Inch Length Using RG174 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.
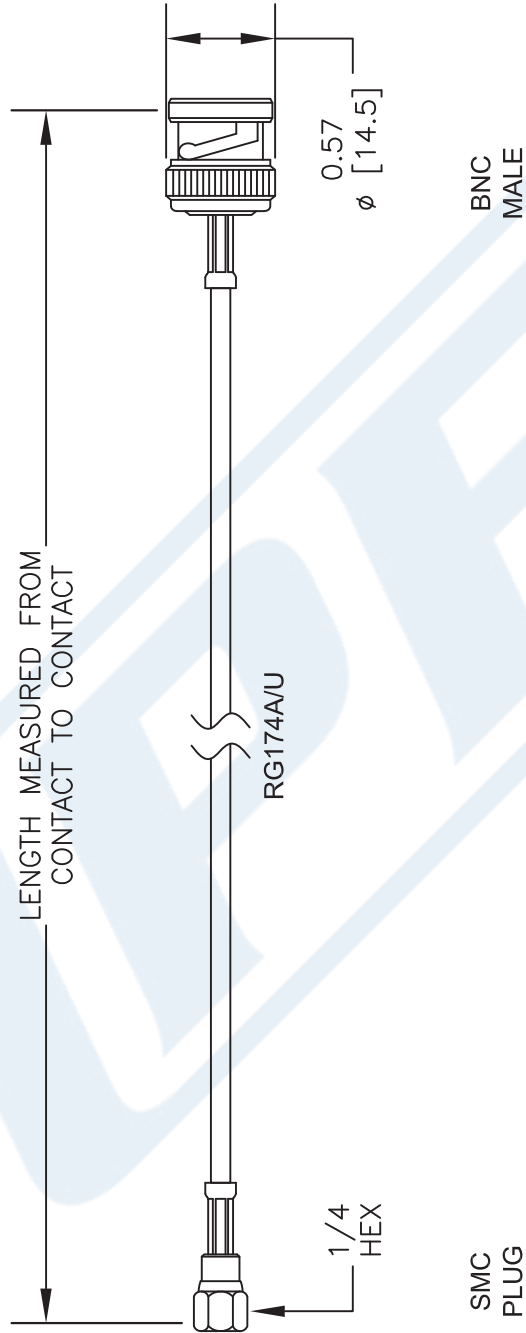
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URL: https://www.pasternack.com/smc-plug-bnc-male-rg174au-cable-assembly-pe3c3425-48-p.aspx

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PE3C3425-48 CAD Drawing
SMC Plug to BNC Male Cable 48 Inch Length Using RG174 Coax

0.57 ⌀ [14.5]

BNC MALE

LENGTH MEASURED FROM CONTACT TO CONTACT

RG174A/U

1/4 HEX

SMC PLUG

CAD FILE	102016	SCALE N/A	SIZE A
			2233

DWG TITLE

PE3C3425

FSCM NO. 53919

PE3C3425-48 REV 1.0