



N Male to N Female Cable 48 Inch Length Using PE-C400 Coax

RF Cable Assemblies Technical Data Sheet

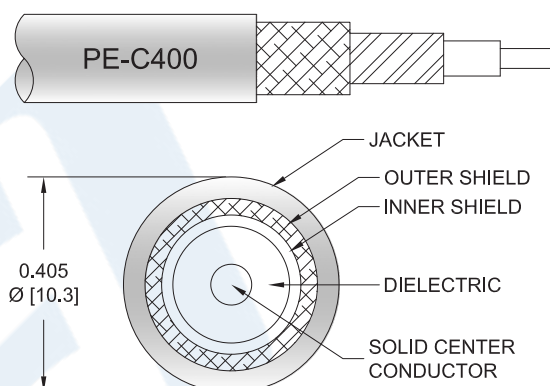
PE34716-48

Configuration

- Connector 1: N Male
- Connector 2: N Female
- Cable Type: PE-C400

Features

- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34716-48 type N male to type N female 48 inch cable using PE-C400 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 type N to type N cable assembly has a male to female gender configuration with 50 ohm flexible PE-C400 coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 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
Velocity of Propagation		85		%
RF Shielding	90			dB
Capacitance		24 [78.74]		pF/ft [pF/m]
Jacket Spark			8,000	Vrms

Mechanical Specifications

Cable Assembly
Length*

48 in [121.92 cm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to N Female Cable 48 Inch Length Using PE-C400 Coax PE34716-48](#)



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Diameter	0.827 in [21.01 mm]
Weight	0.286 lbs [129.73 g]
Cable	
Cable Type	PE-C400
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.4 in [10.16 mm]
One Time Minimum Bend Radius	1 in [25.4 mm]
Repeated Minimum Bend Radius	4 in [101.6 mm]
Bending Moment	0.5 lbs-ft [0.68 N-m]
Tensile Strength	160 lbs [72.57 Kg]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Silver	Brass, Gold
Contact Plating Specification	70μ in. minimum	
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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PE34716-48

How to Order

Part Number Configuration:

PE34716

- xx

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

Example: PE34716-12 = 12 inches long cable
PE34716-100cm = 100 cm long cable

N Male to N Female Cable 48 Inch Length Using PE-C400 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: [N Male to N Female Cable 48 Inch Length Using PE-C400 Coax PE34716-48](#)

URL: <https://www.pasternack.com/n-male-n-female-pe-c400-cable-assembly-pe34716-48-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.

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Technical drawing of a cable assembly showing N Male and N Female connectors. The drawing includes labels for 'CONTACT', '11/16 FLATS', '5/8 FLATS', 'PE-C400', and 'N FEMALE'. A dimension line indicates 'LENGTH MEASURED FROM CONTACT TO CONTACT'.

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