PASTERNACK®
THE ENGINEER'S RF SOURCE



75 Ohm N Male to 75 Ohm N Male Cable Using 75 Ohm Armored Test Coax, RoHS

TECHNICAL DATA SHEET PE3CA1032

Pasternack's PE3CA1032 general purpose 75 Ohm Flexible Armored Test Cable exhibits excellent insertion loss and return loss values with operation up to 3 GHz. These test cables are suitable for engineering labs, production environments and quality testing facilities. The PE3CA1032 test cable is a good choice for use with 75 Ohm S-parameter test systems and these cables meet ANSI/SCTE 99 2009 pull force and ANSI/SCTE 98 2009 tightening torque standards.

Pasternack's large portfolio of test and measurement components offers users a variety of options that are suitable for a broad spectrum of RF applications and environments. You can rely on Pasternack to have all of the test and measurement products you need in-stock and available to ship same-day.

Features

- DC-3GHz
- Low Insertion loss
- Excellent Return loss Greater than 28 dB
- ANSI/SCTE 99 2009 pull force
- Rugged Protective Outer Jacket
- Specially designed for Testing of 75 Ohm communication systems.
- Custom lengths available upon request.

Applications

- Test & measurement
- Lab Equipment Accessories
- General Purpose Test and Evaluation
- Engineering Test and Evaluation

Configuration

Connector 1	N Male
Connector 2	N Male
Cable Type	Flexible Cable

Electrical Specifications

Frequency Range	DC to 3 GHz
Impedance	75 Ohms
Max VSWR	1.16:1
Dielectric Withstanding Voltage (AC)	700 Vrms

Performance by Frequency

Frequency 1

Frequency	1000 MHz
VSWR	1.04:1
Return Loss	35 dB
Insertion Loss	0.11 dB/ft [0.36 dB/m]

Frequency 2

Frequency	2 GHz
VSWR	1.07:1
Return Loss	30 dB
Insertion Loss	0.164 dB/ft [0.54 dB/m]

Frequency 3

Frequency	3 GHz
VSWR	1.08:1

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm N Male to 75 Ohm N Male Cable Using 75 Ohm Armored Test Coax, RoHS PE3CA1032

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

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Return Loss	28 dB
Insertion Loss	0.193 dB/ft [0.63 dB/m]

Mechanical Specifications

Size

Diameter	0.35 in [8.89 mm]
Weight	0.39 lbs [176.9 g]
Cable Color	Black

Cable

Cable Type	Flexible Cable
Inner Conductor Type	Bare Copper
Cable Inner Conductor	Copper
Dielectric Type	Polyethylene
Jacket Material	PVC
Jacket Diameter	0.3 in [7.62 mm]

Connector 1

Type	N Male
Configuration	Straight
Inner Conductor Material and Plating	Copper, Gold
Dielectric Type	PE

Connector 2

Type	N Male
Configuration	Straight
Inner Conductor Material and Plating	Copper, Gold
Dielectric Type	PE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
REACH Compliant	06/16/2014

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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How to Order

Part Number Configuration: **PE3CA1032 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3CA1032 — Base Number

Example: PE3CA1032-12 = 12 inches long cable
PE3CA1032-100cm = 100 cm long cable

75 Ohm N Male to 75 Ohm N Male Cable Using 75 Ohm Armored Test Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/n-male-n-male-pe75test-cable-assembly-pe3ca1032-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.

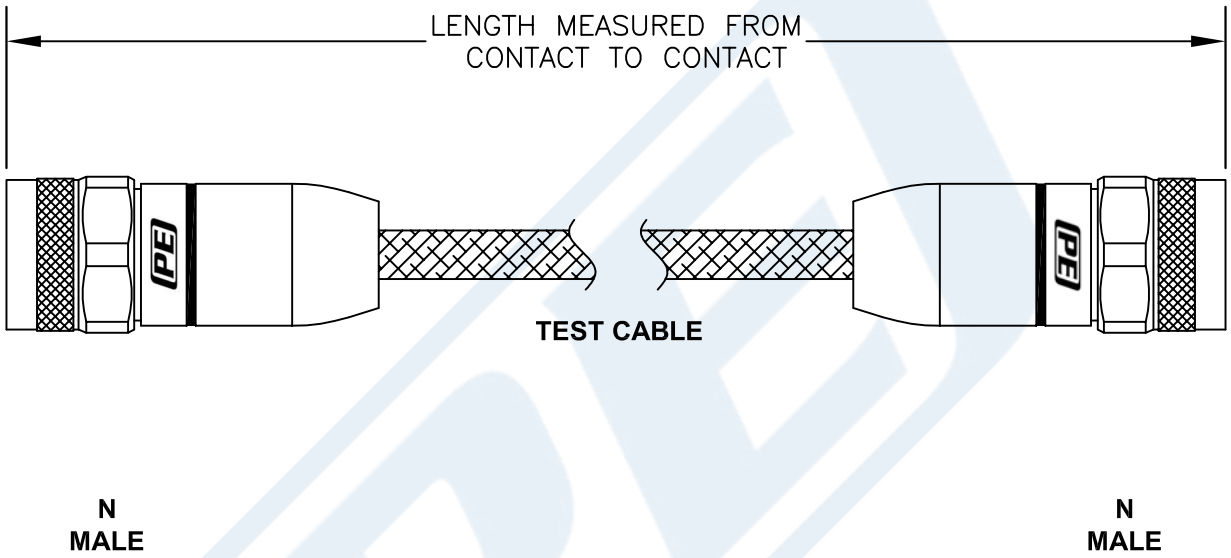
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PE3CA1032 CAD Drawing

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NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE		FSCM NO. 53919		
PE3CA1032				
CAD FILE	031115	SCALE N/A	SIZE A	150

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