



N Male Right Angle to N Male Cable Using PE-P195 Coax

TECHNICAL DATA SHEET

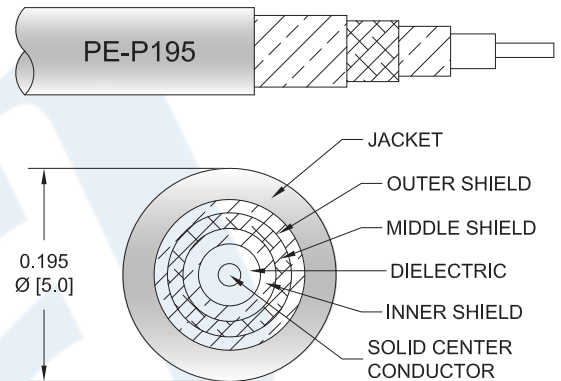
PE3W10875

Configuration

- Connector 1: N Male Right Angle
- Connector 2: N Male
- Cable Type: PE-P195
- Coax Flex Type: Flexible

Features

- Max Frequency 8 GHz
- 70% Phase Velocity
- Triple Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10875 type N male right angle to type N male cable using PE-P195 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 male gender configuration with 50 ohm flexible PE-P195 coax. The PE3W10875 type N male to type N male cable assembly operates to 8 GHz. The right angle type N interface on the PE-P195 cable allows for easier connections in tight spaces. The triple shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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: [N Male Right Angle to N Male Cable Using PE-P195 Coax PE3W10875](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Velocity of Propagation		70		%
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2000	4000	8000	MHz	
PE3W10875	Custom Lengths Available	Insertion Loss (Typ.)	0.09	0.12	0.16	0.26	0.39	dB/ft	
			0.29	0.4	0.53	0.86	1.28	dB/m	
PE3W10875-12	12 inch	Insertion Loss (Typ.)	0.39	0.42	0.46	0.56	0.69	dB	0.224
PE3W10875-24	24 inch	Insertion Loss (Typ.)	0.48	0.54	0.62	0.82	1.08	dB	0.263
PE3W10875-36	36 inch	Insertion Loss (Typ.)	0.57	0.66	0.78	1.08	1.47	dB	0.301
PE3W10875-60	60 inch	Insertion Loss (Typ.)	0.74	0.9	1.1	1.6	2.25	dB	0.377
PE3W10875-72	72 inch	Insertion Loss (Typ.)	0.83	1.02	1.26	1.86	2.64	dB	0.415

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: 0.224 pounds

Additional Weight per Inch: 0.00317 pounds

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Weight 0.224 lbs [101.6 g]

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Cable

Cable Type	PE-P195
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	3
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Aluminum Tape
Shield Layer 3	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.195 in [4.95 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle Threaded	N Male Threaded
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Hex Size		13/16 Inch
Torque		9 in-lbs [1.02 Nm]

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W10875

- **xx**

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

Example: PE3W10875-12 = 12 inches long cable
PE3W10875-100cm = 100 cm long cable

N Male Right Angle to N Male Cable Using PE-P195 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 Right Angle to N Male Cable Using PE-P195 Coax PE3W10875](#)

URL: <https://www.pasternack.com/n-male-n-male-pe-p195-cable-assembly-pe3w10875-p.aspx>

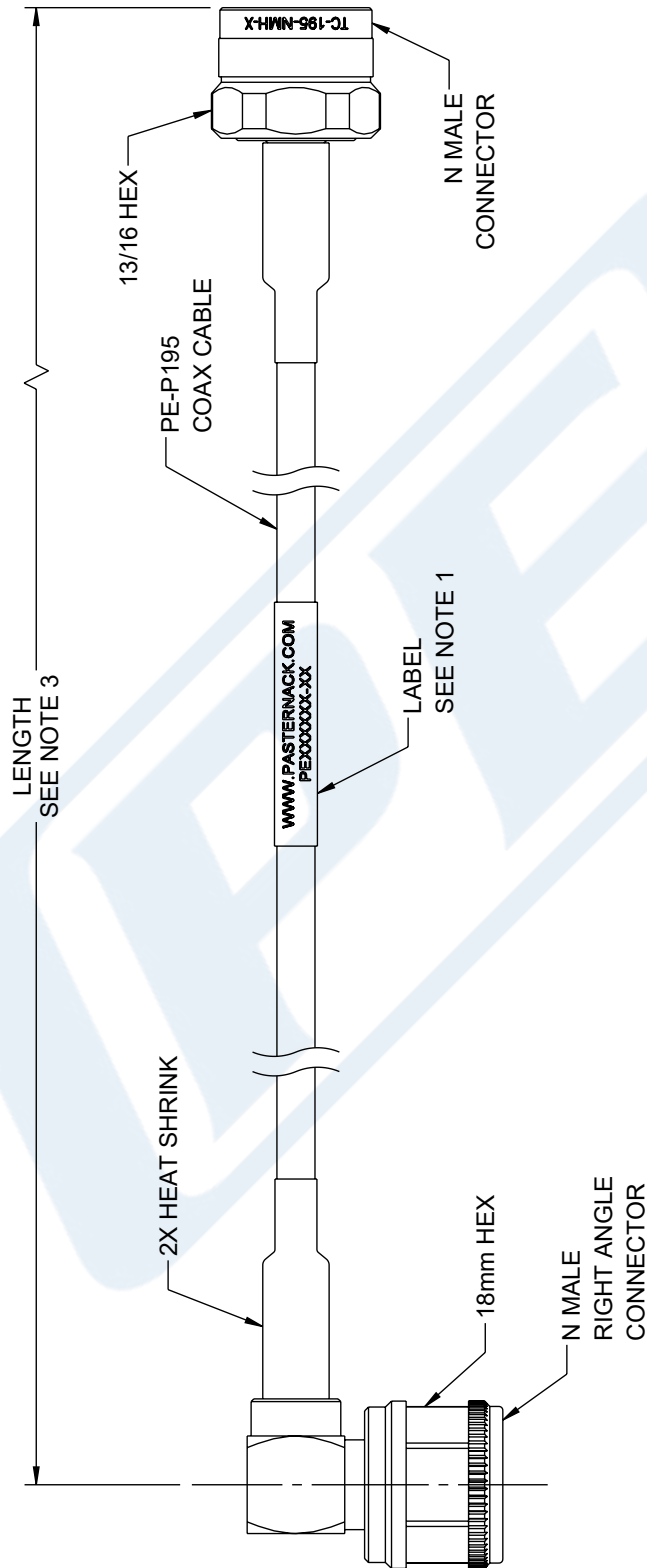
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PE3W10875 CAD Drawing

N Male Right Angle to N Male Cable Using PE-P195 Coax

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/16/2023	HBAKKE	AGANWANI

REVISION	1	2	3	4	5	6
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NOTES:

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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PASTERNAK an INFINIT@ brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE	NONE
DESCRIPTION N MALE RIGHT ANGLE TO N MALE LOW LOSS CABLE USING PE-P195 COAX		SHEET	1 OF 1
SIZE	A	CAGE CODE	53919
DRAWN BY	HBAKKE	ITEM NO.	PE3W10875
REV	A		