PASTERNACK
an INFINITE brand

N Male Right Angle to N Male Right Angle Low Loss Cable Using LMR-200 Coax

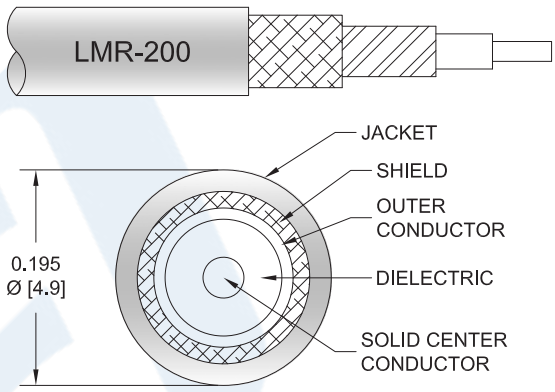
TECHNICAL DATA SHEET PE3W00335

Configuration

- Connector 1: N Male Right Angle
- Connector 2: N Male Right Angle
- Cable Type: LMR-200
- Coax Flex Type: Flexible

Features

- Max Frequency 5.8 GHz
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00335 type N male right angle to type N male right angle cable using LMR-200 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 LMR-200 coax. The PE3W00335 type N male to type N male cable assembly operates to 5.8 GHz. The right angle type N interfaces on the LMR-200 cable allow for easier connections in tight spaces. The double 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 Right Angle Low Loss Cable Using LMR-200 Coax PE3W00335

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

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	5800	MHz	
PE3W00335	Custom Lengths Available	Insertion Loss (Typ.)	0.05	0.07	0.1	0.16	0.26	dB/ft	
			0.17	0.23	0.33	0.53	0.86	dB/m	
PE3W00335-24	24 inch	Insertion Loss (Typ.)	0.5	0.54	0.6	0.72	0.92	dB	0.15
PE3W00335-36	36 inch	Insertion Loss (Typ.)	0.55	0.61	0.7	0.88	1.18	dB	0.17
PE3W00335-48	48 inch	Insertion Loss (Typ.)	0.6	0.68	0.8	1.04	1.44	dB	0.19
PE3W00335-60	60 inch	Insertion Loss (Typ.)	0.65	0.75	0.9	1.2	1.7	dB	0.21
PE3W00335-72	72 inch	Insertion Loss (Typ.)	0.7	0.82	1	1.36	1.96	dB	0.23

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:	0.2	dB
Base Weight:	0.123	pounds
Additional Weight per Inch:	0.00184	pounds

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Weight	0.228 lbs [103.42 g]

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Cable

Cable Type	LMR-200
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
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	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Flat Plate Crush	15 lbs/in [0.27 Kg/mm]
Tensile Strength	40 lbs [18.14 Kg]

Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle Threaded	N Male Right Angle Threaded
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3W00335 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W00335 — Base Number

Example: PE3W00335-12 = 12 inches long cable
PE3W00335-100cm = 100 cm long cable

N Male Right Angle to N Male Right Angle Low Loss Cable Using LMR-200 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 Right Angle Low Loss Cable Using LMR-200 Coax PE3W00335

URL: https://www.pasternack.com/n-male-right-angle-to-n-male-low-loss-cable-using-lmr-200-pe3w00335-p.aspx

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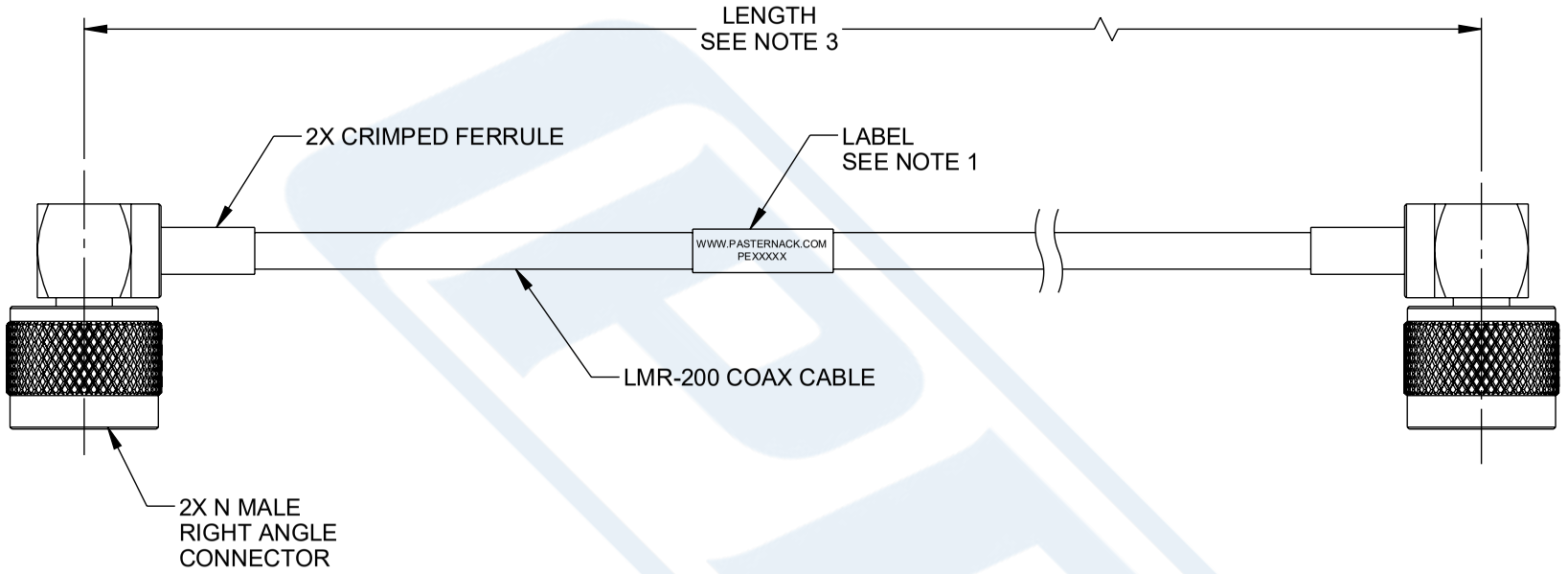
REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	09/27/2023	DMAY	AGANWANI



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.

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

TOLERANCES:

.X = ±.2 [5]	FRACTIONS
.XX = ±.02 [0.5]	± 1/32
.XXX = ±.005 [0.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = +1 [25] / -0
>12 [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.
UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION

N MALE RIGHT ANGLE TO N MALE RIGHT ANGLE LOW LOSS CABLE USING LMR-200 COAX

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	DMAY	PE3W00335	A

PE DS Rev-D4 Asize

PE3W00335 REV 1

PE3W00335 CAD Drawing

N Male Right Angle to N Male Right Angle Low Loss Cable Using LMR-200 Coax