



Fire Rated SMA Male Right Angle to N Male Right Angle  
Low Loss Cable Using LMR-200-FR Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3W12426**

**Configuration**

- Connector 1: SMA Male Right Angle
- Connector 2: N Male Right Angle
- Cable Type: LMR-200-FR

**Features**

- Max Frequency 5.8 GHz
- Shielding Effectivity > 90 dB
- 83% Phase Velocity
- Double Shielded
- FRPE Jacket

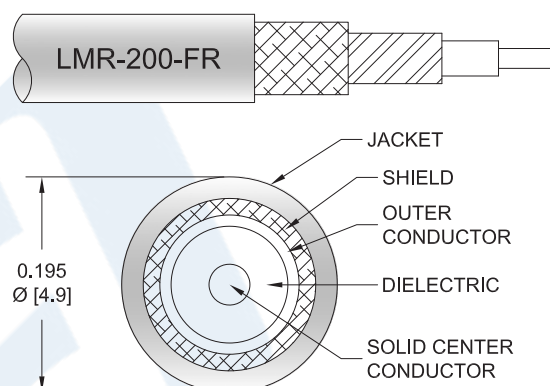
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3W12426 SMA male right angle to type N male right angle cable using LMR-200-FR 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 SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible LMR-200-FR coax. The PE3W12426 SMA male to type N male cable assembly operates to 5.8 GHz. The right angle SMA and right angle type N interfaces on the LMR-200-FR cable allow for easier connections in tight spaces. 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.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fire Rated SMA Male Right Angle to N Male Right Angle Low Loss Cable Using LMR-200-FR Coax PE3W12426](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
Velocity of Propagation		83		%
RF Shielding	90			dB
Group Delay		1.22 [4]		ns/ft [ns/m]
Capacitance		24.5 [80.38]		pF/ft [pF/m]
Inductance		0.061 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		5.36 [17.59]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω/1000ft [Ω/Km]
Jacket Spark			3,000	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.05	0.073	0.104	0.169	0.264	dB/ft
	0.16	0.24	0.34	0.55	0.87	dB/m

**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 0.151 lbs [68.49 g]

**Cable**

Cable Type LMR-200-FR  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper  
Dielectric Type PE  
Number of Shields 2  
Shield Layer 1 Aluminum Tape  
Shield Layer 2 Tinned Copper Braid  
Jacket Material FRPE, 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]

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Bending Moment 2 lbs-ft [2.71 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	SMA Male Right Angle	N Male Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Gold	Brass, Nickel

**Environmental Specifications**

**Temperature**

Operating Range -40 to +165 deg C

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

**Plotted and Other Data**

Notes:

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## Fire Rated SMA Male Right Angle to N Male Right Angle Low Loss Cable Using LMR-200-FR Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W12426**

#### How to Order

Part Number Configuration:

**PE3W12426**

- **xx**

**uu**

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

Example: PE3W12426-12 = 12 inches long cable  
PE3W12426-100cm = 100 cm long cable

Fire Rated SMA Male Right Angle to N Male Right Angle Low Loss Cable Using LMR-200-FR 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.

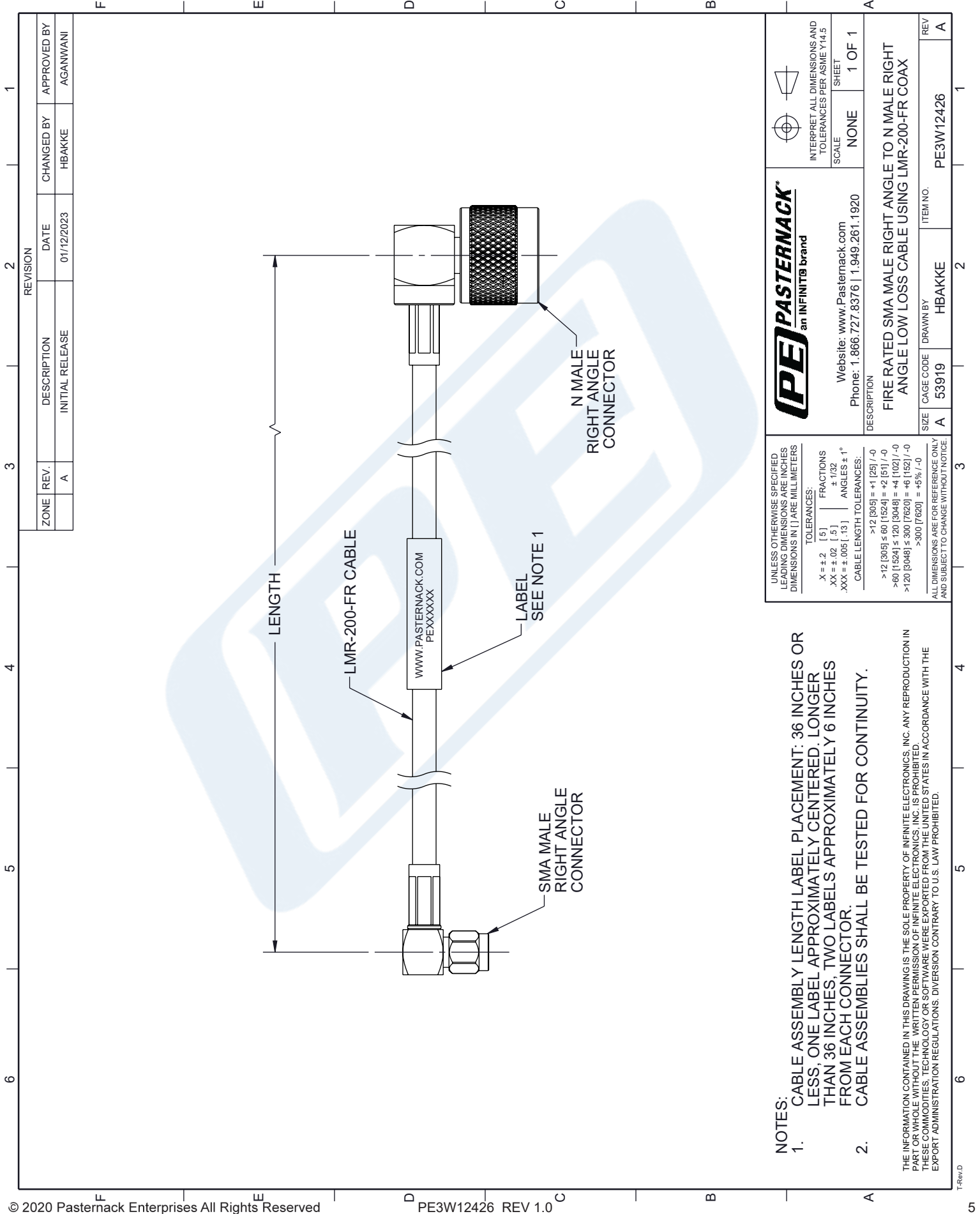
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fire Rated SMA Male Right Angle to N Male Right Angle Low Loss Cable Using LMR-200-FR Coax PE3W12426](#)

URL: <https://www.pasternack.com/fire-rated-sma-male-right-angle-to-n-male-low-loss-cable-using-lmr-200-fr-pe3w12426-p.aspx>

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# PE3W12426 CAD Drawing


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NOTES:

- 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.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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X = ±.2	[.5]	FRACTIONS ± 1/32	Website: <a href="http://www.Pasterneck.com">www.Pasterneck.com</a>	SCALE	NONE
XX = ±.02	[.3]	ANGLES ± 1°	Phone: 1.866.727.8376   1.949.261.1920	SHEET	1 OF 1
.XXX = ±.005	[.13]	CABLE LENGTH TOLERANCES:	DESCRIPTION		
			FIRE RATED SMA MALE RIGHT ANGLE TO N MALE RIGHT ANGLE LOW LOSS CABLE USING LMR-200-FR COAX		
			SIZE	CAGE CODE	ITEM NO.
			A	53919	PE3W12426
			DRAWN BY	HBAKKE	REV
					A