



Fire Rated Reverse Polarity SMA Plug RA to Reverse Polarity
SMA Plug RA Low Loss Cable Using LMR-195-FR Coax

TECHNICAL DATA SHEET

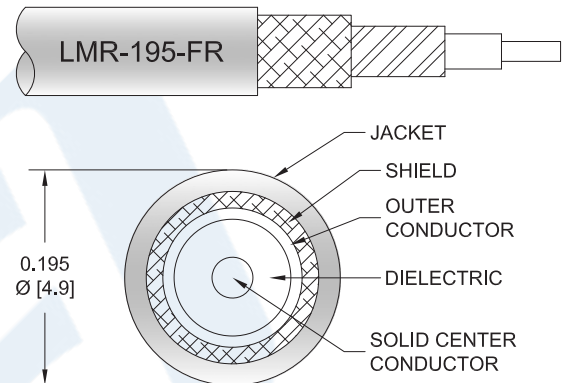
PE3W03432

Configuration

- Connector 1: SMA Plug RP Right Angle
- Connector 2: SMA Plug RP Right Angle
- Cable Type: LMR-195-FR
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 76% Phase Velocity
- Double Shielded
- FRPE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W03432 rp SMA plug right angle to rp SMA plug right angle cable using LMR-195-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 rp SMA to rp SMA cable assembly has a plug to plug gender configuration with 50 ohms flexible LMR-195-FR coax. The right angle SMA interfaces on the LMR-195-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 Reverse Polarity SMA Plug RA to Reverse Polarity SMA Plug RA Low Loss Cable Using LMR-195-FR Coax PE3W03432](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		76		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω /1000ft [Ω /Km]
Jacket Spark			3,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.054 lbs [24.49 g]

Cable

Cable Type	LMR-195-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]
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]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Plug RP Right Angle Threaded	SMA Plug RP Right Angle Threaded
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Hex Size	5/16 in	5/16 in
Torque	5 in-lbs [0.57 Nm]	5 in-lbs [0.57 Nm]

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

Plotted and Other Data

Notes:

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TECHNICAL DATA SHEET

PE3W03432

How to Order

Part Number Configuration:

PE3W03432

- **xx**

uu

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

Example: PE3W03432-12 = 12 inches long cable
PE3W03432-100cm = 100 cm long cable

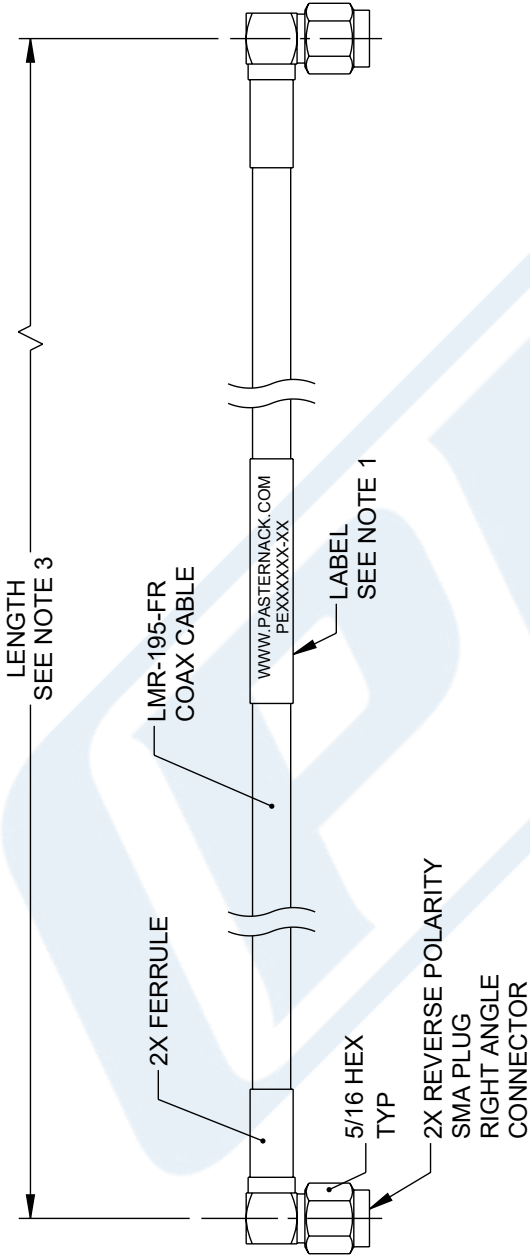
Fire Rated Reverse Polarity SMA Plug RA to Reverse Polarity SMA Plug RA Low Loss Cable Using LMR-195-FR Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest 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 Reverse Polarity SMA Plug RA to Reverse Polarity SMA Plug RA Low Loss Cable Using LMR-195-FR Coax PE3W03432](https://www.pasternack.com/fire-rated-reverse-polarity-sma-plug-right-angle-to-reverse-polarity-sma-plug-low-loss-cable-using-lmr-195-fr-pe3w03432-p.aspx)

URL: <https://www.pasternack.com/fire-rated-reverse-polarity-sma-plug-right-angle-to-reverse-polarity-sma-plug-low-loss-cable-using-lmr-195-fr-pe3w03432-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.

REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	10/13/2023
			CHANGED BY
			APPROVED
			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.

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

TOLERANCES:	
$X = \pm 2 [5]$	FRACTIONS
$.XX = \pm .02 [0.5]$	$\pm .132$
$.XXX = \pm .005 [0.13]$	ANGLES $\pm 1^\circ$

CABLE LENGTH TOLERANCES:

$< 12 [305]$	$\pm 1 [25]$	/ -0
$> 12 [305]$	$\pm 2 [51]$	/ -0
$> 60 [1524]$	$\pm 4 [102]$	/ -0
$> 120 [3048]$	$\pm 6 [152]$	/ -0
$> 300 [7620]$	$\pm 12 [305]$	/ -0

PE PASTERNAK
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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION:
FIRE RATED REVERSE POLARITY SMA PLUG RIGHT ANGLE TO
REVERSE POLARITY SMA PLUG RIGHT ANGLE LOW LOSS
CABLE USING LMR-195-FR COAX

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KGLEBOVA	PE3W03432

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

REV A