



Flexible LMR-200-FR Fire Rated Coax Cable
Double Shielded with Black FRPE Jacket

RF Cables
Technical Data Sheet

LMR-200-FR-BULK

Times Microwave Systems Coax Cable Specification
Configuration

- Low Loss, Fire Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Time Delay		1.22 [4]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resistance			5.36	Ohms/1000ft
Outer Conductor DC Resistance			4.9	Ohms/1000ft
Nominal Capacitance		24.5 [80.38]		pF/ft [pF/m]
Nominal Inductance		0.061 [0.2]		uH/ft [uH/m]
Input Power (Peak)			2.5	kWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible LMR-200-FR Fire Rated Coax Cable Double Shielded with Black FRPE Jacket LMR-200-FR-BULK](#)



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Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	2.3	4	4.8	7	9.9	dB/100ft
	7.55	13.12	15.75	22.97	32.48	dB/100m
Input Power (CW), Max	790	450	370	260	180	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2.5	5.8			GHz
Attenuation, Typ	14.2	16.9	26.4			dB/100ft
	46.59	55.45	86.61			dB/100m
Input Power (CW), Max	130	110	70			Watts

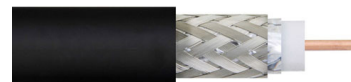
Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.028 lbs/ft [0.04 kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]
Bending Moment	2 lbs-ft [2.71 N-m]
Tensile Strength	40 lbs [18.14 kg]
Flat Plate Crush	15 lbs/in [0.27 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.044 in [1.12 mm]
Conductor Type	Solid	
Dielectric	PE	0.116 in [2.95 mm]
First Shield	Aluminum Tape	[]
Second Shield	Tinned Copper Braid	[]

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Jacket	FRPE, Black	0.195 in [4.95 mm]
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Environmental Specifications

Temperature

Operating Range

-40 to +185 deg C

Storage Range

-94 to +185 deg C

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

Plotted and Other Data

Notes:

Flexible LMR-200-FR Fire Rated Coax Cable Double Shielded with Black FRPE Jacket 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.

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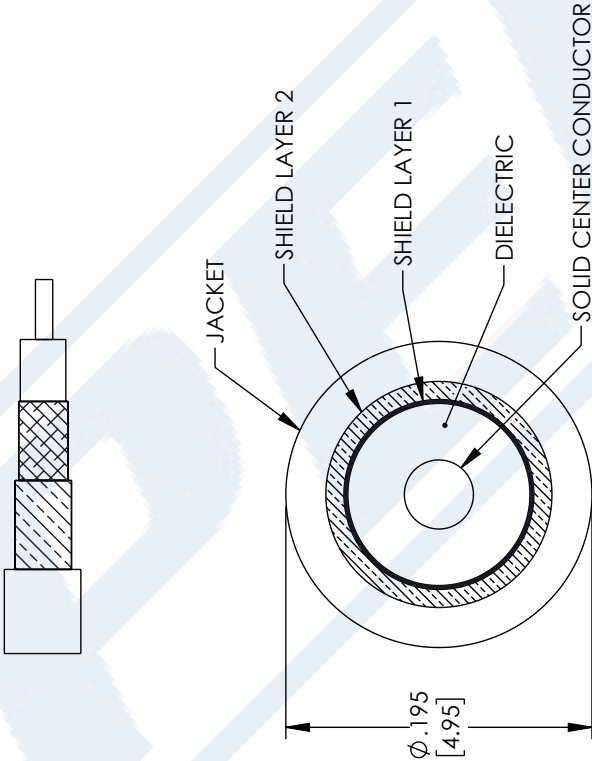
URL: <https://www.pasternack.com/low-loss-lmr-200-fr-fire-rated-rated-coax-cable-double-shielded-with-black-frpe-jacket-bulk-p.aspx>

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.

LMR-200-FR-BULK CAD Drawing

Flexible LMR-200-FR Fire Rated Coax Cable Double Shielded with Black FRPE Jacket

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/01/2022	AGANWANI



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

TOLERANCES:

X = ± .2	[.008]	FRACTIONS
.XX = ± .02	[.51]	± 1/32
.XXX = ± .005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12	[305]	= +1 [25] / -0
12 [305] < L ≤ 60	[1524]	= +2 [51] / -0
60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0
120 [3048] < L ≤ 300	[7620]	= +6 [152] / -0
300 [7620] < L		= +5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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an INFINITI brand

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DZINN	LMR-200-FR-BULK

REV A

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