

Times Microwave LMR-900-DB Low Loss Flexible Coax Cable Black PE Jacket



LMR-900-DB-BULK



Times Microwave Systems Connector Specification

Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 6 GHz
- Phase Velocity 87% VoP

Applications

- Laboratory Applications

Description

LMR-240-75-DB-BULK low-loss coax cable from Fairview Microwave is only one of many radio frequency coaxial cable types specifically stocked to be ready for same business day shipment. Fairview Microwave's LMR-240-75-DB-BULK coax cable is manufactured in a flexible design and has a 75 Ohm impedance. This flexible 75 Ohm coax cable is constructed with a polyethylene jacket of 0.24-inch diameter. Our RF coaxial cable is ideal for laboratory applications and general purpose RF interconnect applications.

Fairview Microwave's LMR-240-75-DB-BULK flexible coax cable with a polyethylene jacket is rated for a maximum operating frequency of 2.5 GHz. Our low-loss RF coaxial cable has a conductor made of copper. Our coax cable has a typical loss/attenuation of 1.3, 1.6, 2.9, 3.5, 5, 7.2, 9.4, 10.3, 10.9, and 12.3 dB/100ft at frequency of 30 MHz, 50 MHz, 150 MHz, 220 MHz, 450 MHz, 900 MHz, 1.5 GHz, 1.8 GHz, 2 GHz, and 2.5 GHz respectively.

The LMR-240-75-DB-BULK coax cable with foam polyethylene dielectric can operate at temperatures ranging from -40 to 85 degrees C. Additional specifications for this LMR-240-75-DB-BULK RF coaxial cable are on our downloadable PDF datasheet above. This low-loss RF cable has a one time minimum bend radius of 0.75 inch and a repeat minimum bend radius of 2.5 inch.

LMR-240-75-DB-BULK low-loss RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This LMR-240-75-DB-BULK coax cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship the same business day from our warehouse in the United States, as with the rest of our other RF/microwave and millimeter wave components.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Velocity of Propagation		87		%
Time Delay		1.17 [3.84]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Operating Voltage (DC)			5,000	Vdc
Dielectric Withstanding Voltage (DC)			4,000	Vdc
Jacket Spark			8,000	Vrms

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Inner Conductor DC Resistance			0.54	Ohms/1000ft
Outer Conductor DC Resistance			0.55	Ohms/1000ft
Nominal Capacitance		23.7 [77.76]		pF/ft [pF/m]
Nominal Inductance		0.058 [0.19]		uH/ft [uH/m]
Input Power (Peak)			62	kWatts

Mechanical Specifications

Diameter	0.87 in [22.1 mm]
Weight	0.266 lbs/ft [0.4 kg/m]
Min. Bend Radius (Installation)	3 in [76.2 mm]
Min. Bend Radius (Repeated)	9 in [228.6 mm]
Bending Moment	9 lbs-ft [12.2 N-m]
Tensile Strength	750 lbs [340.19 kg]
Flat Plate Crush	100 lbs/in [1.79 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Tube, 1 Strand	0.252 in [6.4 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.68 in [17.27 mm]
First Shield	Tinned Copper	
Outer Conductor	Aluminum Tape	0.87 in [22.1 mm]
Jacket	PE, Black	0.87 in [22.1 mm]

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

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Times Microwave LMR-900-DB Low Loss Flexible Coax Cable Black PE Jacket from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Times Microwave LMR-900-DB Low Loss Flexible Coax Cable Black PE Jacket LMR-900-DB-BULK](#)

URL: <https://www.fairviewmicrowave.com/lmr900-low-loss-flexible-coax-cable-pe-jacket-lmr-900-db-bulk-p.aspx>

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