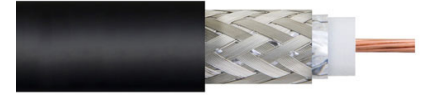


## Times Microwave LMR-240-UF Flexible Coax Cable Black TPE Jacket



### LMR-240-UF-BULK



## Times Microwave Systems Connector Specification

### Configuration

- Low Loss, Indoor / Outdoor Flexible Cable
- 2 Shield(s)

### Features

- Highly Flexible
- Low Loss Cable
- RF Shielding > 90dB
- Designed for Indoor/Outdoor Use

### Applications

- Jumper Assemblies
- Short Antenna Feeder Runs
- Wireless Communications

### Description

LMR-240-UF coax cable from Fairview is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave LMR-240-UF-BULK coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible 50 Ohm coax cable LMR-240-UF is constructed with a 0.24 inch diameter and TPE jacket.

LMR-240-UF LMR-240-UF-BULK flexible 50 Ohm coax cable with TPE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.24 inch diameter and low loss flexible coax cable is built with a shield count of 2 and RF shielding of 90 dB.

Fairview Microwave LMR-240-UF coax is constructed with PE (F) dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-240-UF coax cable specs for this wire properties can be found on its RF coax cable LMR-240-UF datasheet PDF specifications above.

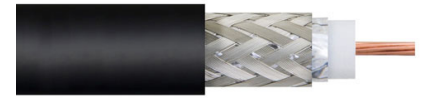
LMR-240-UF cable is part of more than one million RF, microwave and millimeter wave parts in stock at Fairview. This Times Microwave low loss LMR-240-UF coax cable is ready to buy and can be shipped worldwide. Fairview also maintains a wide selection of other radio frequency twinaxial and coaxial cable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

\* LMR™ is a trademark of Times Microwave Systems.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		84		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms
Inner Conductor DC Resistance			4.28	Ohms/1000ft

Times Microwave LMR-240-UF Flexible  
Coax Cable Black TPE Jacket



**LMR-240-UF-BULK**

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Outer Conductor DC Resistance			3.89	Ohms/1000ft
Nominal Capacitance		24.2 [79.4]		pF/ft [pF/m]
Nominal Inductance		0.06 [0.2]		uH/ft [uH/m]
Input Power (Peak)			5.6	kWatts

**Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	2.1	3.6	4.4	6.3	9.1	dB/100ft
	6.89	11.81	14.44	20.67	29.86	dB/100m
Input Power (CW), Max	960	550	450	310	220	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	6	GHz
Attenuation, Typ	11.8	13	13.8	15.5	24.4	dB/100ft
	38.71	42.65	45.28	50.85	80.05	dB/100m
Input Power (CW), Max	170	150	140	130	80	Watts

Electrical Specification Notes:  
Values at 25°C, sea level.  
Attenuation = 0.290501\*sqrt(FMHz) + 0.000396

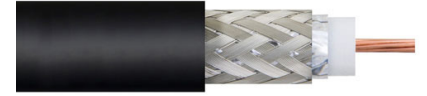
**Mechanical Specifications**

Diameter	0.24 in [6.1 mm]
Weight	0.032 lbs/ft [0.05 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]
Min. Bend Radius (Repeated)	2.5 in [63.5 mm]
Bending Moment	0.13 lbs-ft [0.18 N-m]
Tensile Strength	80 lbs [36.29 kg]
Flat Plate Crush	13 lbs/in [0.23 kg/mm]

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper, Strand	0.056 in [1.42 mm]
Conductor Type	Stranded	
Dielectric	PE (F)	0.15 in [3.81 mm]
First Shield	Aluminum Tape	0.155 in [3.94 mm]
Second Shield	Tinned Copper Braid	0.178 in [4.52 mm]

Times Microwave LMR-240-UF Flexible  
Coax Cable Black TPE Jacket



**LMR-240-UF-BULK**

**Construction Specifications**

Description	Material and Plating	Diameter
Jacket	TPE, Black	0.24 in [6.1 mm]

**Environmental Specifications**

**Temperature**

Operating Range	-40 to 85 deg C
Installation Range	-40 to 85 deg C
Storage Range	-70 to 85 deg C

Environmental Specification Notes:  
Designed for indoor and outdoor use.

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

**Plotted and Other Data**

Notes:

Times Microwave LMR-240-UF Flexible Coax Cable Black TPE 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.

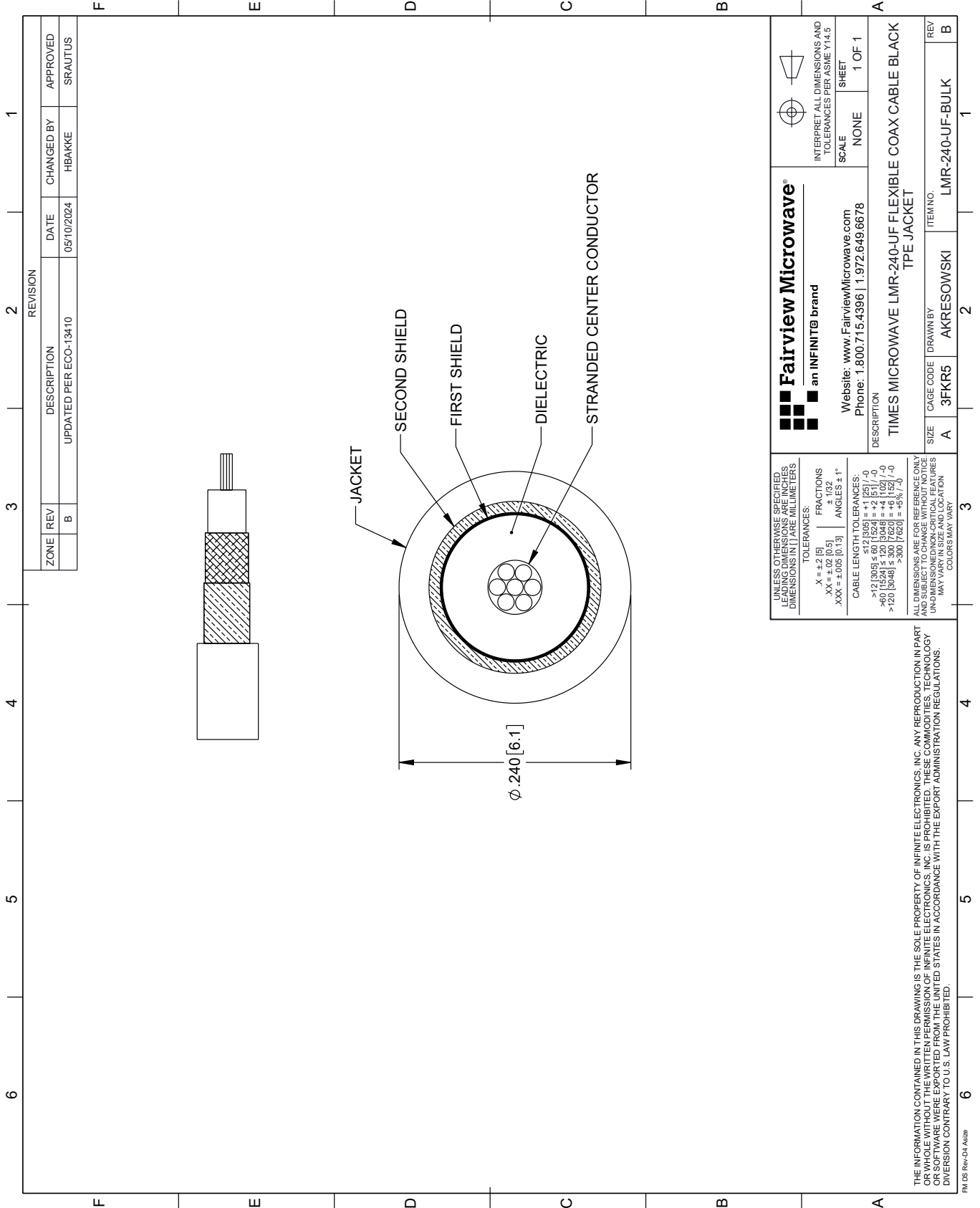
For additional information on this product, please click the following link: [Times Microwave LMR-240-UF Flexible Coax Cable Black TPE Jacket LMR-240-UF-BULK](#)

URL: <https://www.fairviewmicrowave.com/lmr240uf-flexible-coax-cable-pe-jacket-lmr-240-uf-bulk-p.aspx>

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# LMR-240-UF-BULK CAD Drawing

Times Microwave LMR-240-UF Flexible Coax Cable Black TPE Jacket



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION		
	B	UPDATED PER ECO-13410	HBAKKE	SRAUTUS

 <b>Fairview Microwave</b> <sup>®</sup> an INFINIT <sup>®</sup> brand		Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.		TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]	FRACTIONS: ± 1/32 ANGLES: ± 1°
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.		CABLE LENGTH TOLERANCES: <12 [305] ≤ 60 [1524] = +1 [25] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +5% / -0	SIZE: A CAGE CODE: 3FKR5 DRAWN BY: AKRESOWSKI ITEM NO.: LMR-240-UF-BULK
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