

**Times Microwave LMR-240-UF Flexible Coax Cable**  
**Black TPE Jacket**
**Times Microwave Systems Coax Cable Specification**
**Electrical Specifications**

| Description                | Min | Typ         | Max   | Units        |
|----------------------------|-----|-------------|-------|--------------|
| Frequency Range            | DC  |             | 5.8   | GHz          |
| Impedance                  |     | 50          |       | Ohms         |
| Velocity of Propagation    |     | 84          |       | %            |
| Time Delay                 |     | 1.21 [3.97] |       | ns/ft [ns/m] |
| Shielding Effectiveness    | 90  |             |       | dB           |
| DWV (DC)                   |     |             | 1,500 | Vdc          |
| Jacket Spark               |     |             | 5,000 | Vrms         |
| Inner Conductor DC Resist. |     |             | 4.28  | Ohms/1000ft  |
| Outer Conductor DC Resist. |     |             | 3.89  | Ohms/1000ft  |
| Nominal Capacitance        |     | 24.2        |       | pF/ft        |
|                            |     | [79.4]      |       | [pF/m]       |
| Nominal Inductance         |     | 0.06        |       | uH/ft        |
|                            |     | [0.2]       |       | [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<br>6.89 | 3.6<br>11.81 | 4.4<br>14.44 | 6.3<br>20.67 | 9.1<br>29.86 | dB/100ft<br>dB/100m |
| Power In (CW), Max | 960         | 550          | 450          | 310          | 220          | Watts               |

| Description        | F6            | F7          | F8            | F9            | F10           | Units    |
|--------------------|---------------|-------------|---------------|---------------|---------------|----------|
| Frequency          | 1.5           | 1.8         | 2             | 2.5           | 5.8           | GHz      |
| Attenuation, Typ   | 11.8<br>38.71 | 13<br>42.65 | 13.8<br>45.28 | 15.5<br>50.85 | 24.4<br>80.05 | dB/100ft |
| Power In (CW), Max | 170           | 150         | 140           | 130           | 80            | Watts    |

**Electrical Specification Notes:**

Values at 25°C, sea level.

 $\text{Attenuation} = 0.290501 * \sqrt{\text{FMHz}} + 0.000396$ 
**Mechanical Specifications**

|                                 |                         |
|---------------------------------|-------------------------|
| Diameter                        | 0.24 in [6.1 mm]        |
| Weight                          | 0.03 lbs/ft [0.04 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]  |


**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

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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               | 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] |
| 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:

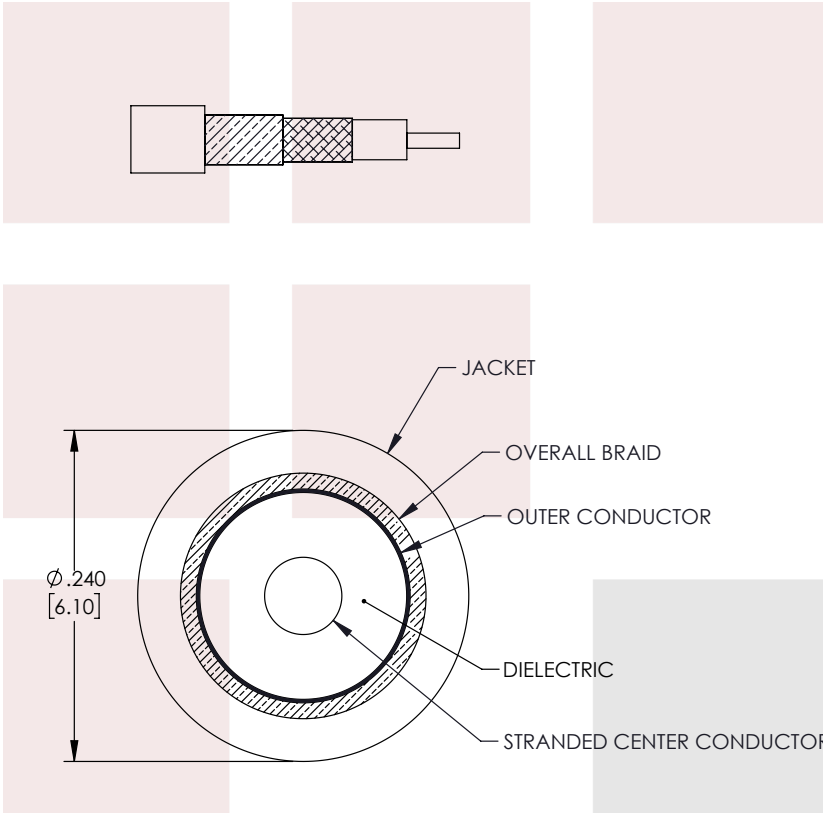
Times Microwave LMR-240-UF Flexible Coax Cable Black TPE Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Times Microwave LMR-240-UF Flexible Coax Cable Black TPE Jacket LMR-240-UF-FT](#)

URL: <https://www.fairviewmicrowave.com/lmr240uf-flexible-coax-cable-pe-jacket-lmr-240-uf-ft-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 03/24/2022 | AGANWANI |



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| <div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>Fairview Microwave</div><div>an INFINITE brand</div></div></div> <div>TITLE</div> <div>Times Microwave LMR-240-UF Flexible Coax Cable<br/>Black TPE Jacket</div> | UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |                   | THIRD-ANGLE PROJECTION<br>  |          |
|  | TOLERANCES:   |                   | CABLE LENGTH (L) TOLERANCES:  |          |
|  | .X = ±.2 [5.08] FRACTIONS ± 1/32<br>.XX = ±.02 [.51] ANGLES ± 1°<br>.XXX = ±.005 [.13]        |                   | L ≤ 12 [305] = +1 [25] / -0<br>12 [305] < L ≤ 60 [1524] = +2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0<br>300 [7620] < L = +5%L / -0 |          |
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| SIZE<br>A  | CAGE CODE<br>3FKR5  | DRAWN BY<br>DZINN | ITEM NO.<br>LMR-240-UF-FT   | REV<br>A |

T-Rev.D