

**Times Microwave LMR-195 Low Loss Flexible Coax Cable Black PE Jacket**
**Times Microwave Systems Coax Cable Specification**
**Electrical Specifications**

| Description                | Min | Typ         | Max   | Units        |
|----------------------------|-----|-------------|-------|--------------|
| Frequency Range            | DC  |             | 6     | GHz          |
| Cutoff Frequency           |     | 41          |       | GHz          |
| Impedance                  |     | 50          |       | Ohms         |
| Velocity of Propagation    |     | 80          |       | %            |
| Time Delay                 |     | 1.27 [4.17] |       | ns/ft [ns/m] |
| Shielding Effectiveness    | 90  |             |       | dB           |
| DWV (DC)                   |     |             | 1,000 | Vdc          |
| Jacket Spark               |     |             | 3,000 | Vrms         |
| Inner Conductor DC Resist. |     |             | 7.6   | Ohms/1000ft  |
| Outer Conductor DC Resist. |     |             | 4.9   | Ohms/1000ft  |
| Nominal Capacitance        |     | 25.4        |       | pF/ft        |
|                            |     | [83.33]     |       | [pF/m]       |
| Nominal Inductance         |     | 0.064       |       | uH/ft        |
|                            |     | [0.21]      |       | [uH/m]       |
| Input Power (Peak)         |     |             | 2.5   | kWatts       |

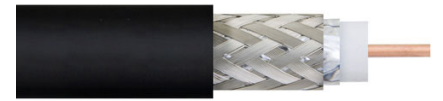
**Performance by Frequency Band**

| Description        | F1  | F2    | F3    | F4    | F5    | Units    |
|--------------------|-----|-------|-------|-------|-------|----------|
| Frequency          | 50  | 150   | 220   | 450   | 900   | MHz      |
| Attenuation, Typ   | 2.5 | 4.4   | 5.4   | 7.8   | 11.1  | dB/100ft |
|                    | 8.2 | 14.44 | 17.72 | 25.59 | 36.42 | dB/100m  |
| Power In (CW), Max | 680 | 390   | 320   | 220   | 160   | Watts    |

| Description        | F6    | F7    | F8    | F9    | F10  | Units    |
|--------------------|-------|-------|-------|-------|------|----------|
| Frequency          | 1.5   | 1.8   | 2     | 2.5   | 6    | GHz      |
| Attenuation, Typ   | 14.5  | 16    | 16.9  | 19    | 29.9 | dB/100ft |
|                    | 47.57 | 52.49 | 55.45 | 62.34 | 98.1 | dB/100m  |
| Power In (CW), Max | 120   | 110   | 100   | 90    | 60   | Watts    |

**Mechanical Specifications**

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.195 in [4.95 mm]       |
| Weight                          | 0.022 lbs/ft [0.03 kg/m] |
| Min. Bend Radius (Installation) | 0.5 in [12.7 mm]         |
| Min. Bend Radius (Repeated)     | 2 in [50.8 mm]           |
| Bending Moment                  | 0.2 lbs-ft [0.27 N-m]    |
| Tensile Strength                | 40 lbs [18.14 kg]        |
| Flat Plate Crush                | 15 lbs/in [0.27 kg/mm]   |


**Configuration:**

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

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### Construction Specifications

| Description     | Material and Plating | Diameter           |
|-----------------|----------------------|--------------------|
| Inner Conductor | Copper, 1 Strands    | 0.037 in [0.94 mm] |
| Conductor Type  | Solid                |                    |
| Dielectric      | PE (F)               | 0.11 in [2.79 mm]  |
| First Shield    | Aluminum Tape        | [ ]                |
| Second Shield   | Tinned Copper Braid  | [ ]                |
| Jacket          | PE, Black            | 0.195 in [4.95 mm] |

### Environmental Specifications

#### Temperature

Operating Range  
Storage Range

-40 to +85 deg C  
-70 to +85 deg C

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

### Plotted and Other Data

Notes:

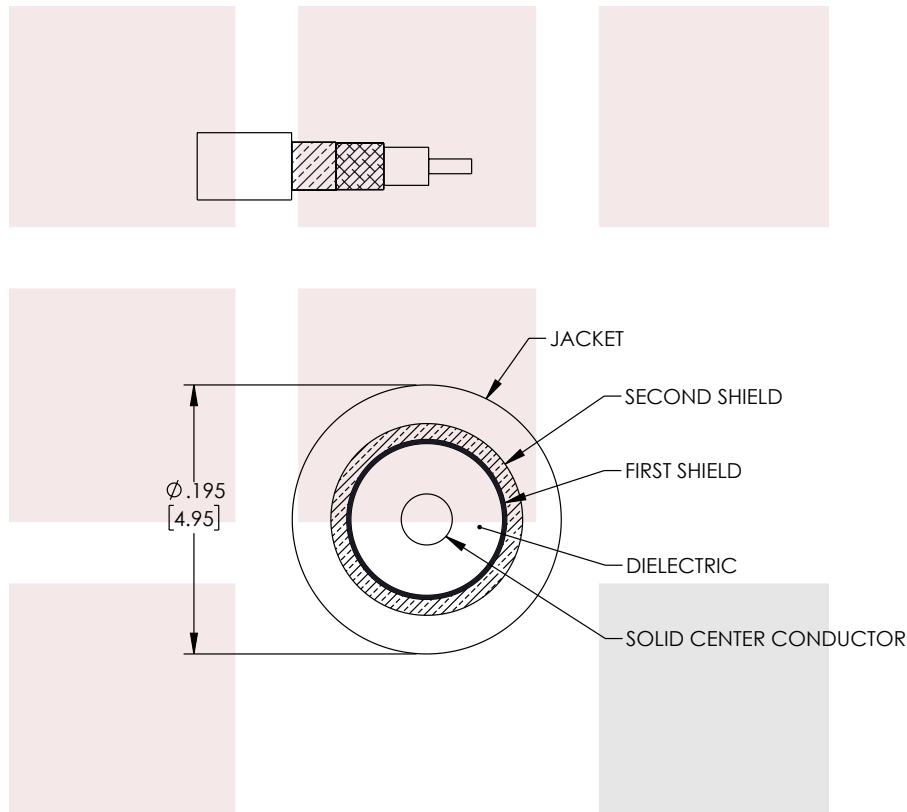
Times Microwave LMR-195 Low Loss Flexible Coax Cable Black PE Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Times Microwave LMR-195 Low Loss Flexible Coax Cable Black PE Jacket LMR-195-BULK](#)

URL: <https://www.fairviewmicrowave.com/lmr195-low-loss-flexible-coax-cable-pe-jacket-lmr-195-bulk-p.aspx>

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| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 02/13/2023 | AGANWANI |



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|--|---|---|------------------------------------|-----------------------------|------------------|--------|---|--------------------|-------------|--|--|--|---|--|--|----------------------------|--|
| <p><b>Fairview Microwave</b><br/>an INFINIT<sup>®</sup> brand</p>                        | <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br/>DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:      CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td>.X = ±.2 [5.08]</td> <td>FRACTIONS</td> <td>L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td>.XX = ±.02 [.51]</td> <td>± 1/32</td> <td>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td>.XXX = ±.005 [.13]</td> <td>ANGLES ± 1°</td> <td>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td></td> <td></td> <td>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td></td> <td></td> <td>300 [7620] &lt; L = +5%L / -0</td> </tr> </table> | .X = ±.2 [5.08]                             | FRACTIONS                          | L ≤ 12 [305] = +1 [25] / -0 | .XX = ±.02 [.51] | ± 1/32 | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 | .XXX = ±.005 [.13] | ANGLES ± 1° | 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 |  |  | 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 |  |  | 300 [7620] < L = +5%L / -0 | <p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> |
|  | .X = ±.2 [5.08]   | FRACTIONS                                   | L ≤ 12 [305] = +1 [25] / -0        |                             |                  |        |   |                    |             |  |  |  |   |  |  |                            |  |
| .XX = ±.02 [.51]   | ± 1/32  | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0     |                                    |                             |                  |        |   |                    |             |  |  |  |   |  |  |                            |  |
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|  |   | 300 [7620] < L = +5%L / -0                  |                                    |                             |                  |        |   |                    |             |  |  |  |   |  |  |                            |  |
| <p>TITLE</p> <p>Times Microwave LMR-195 Low Loss Flexible Coax Cable Black PE Jacket</p> | <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>   | <p>SCALE</p> <p>N/A</p>                     |                                    |                             |                  |        |   |                    |             |  |  |  |   |  |  |                            |  |
| <p>SIZE</p> <p>A</p>   | <p>CAGE CODE</p> <p>3FKR5</p>   | <p>DRAWN BY</p> <p>AKRESOWSKI</p>           | <p>ITEM NO.</p> <p>LMR195-BULK</p> | <p>REV</p> <p>A</p>         |                  |        |   |                    |             |  |  |  |   |  |  |                            |  |

T-Rev.D