

RG142 Flexible Coax Cable FEP Jacket M17/60
Electrical Specifications

| Description | Min | Typ | Max | Units |
|------------------------|-----|-----------------|-------|-----------------|
| Frequency Range | DC | | 8 | GHz |
| Impedance | | 50 | | Ohms |
| Operating Voltage (AC) | | | 1,900 | Vrms |
| Nominal Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|------------------|--------------|--------------|---------------|---------------|--------------|---------------------|
| Frequency | 0.1 | 0.4 | 1 | 2.4 | 5 | GHz |
| Attenuation, Typ | 3.8 12.47 | 8.1 26.57 | 13.7 44.95 | 23.3 76.44 | 36 118.11 | dB/100ft dB/100m |

Mechanical Specifications

| | |
|---------------------------------|---------------------------|
| Diameter | 0.195 in [4.95 mm] |
| Weight | 0.0425 lbs/ft [0.06 kg/m] |
| Min. Bend Radius (Installation) | 1 in [25.4 mm] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strands | 0.037 in [0.94 mm] |
| Conductor Type | Solid | |
| Dielectric | PTFE | 0.116 in [2.95 mm] |
| First Shield | Silver Plated Copper | [] |
| Second Shield | Silver Plated Copper | [] |
| Jacket | FEP, Tan | 0.195 in [4.95 mm] |

Environmental Specifications
Temperature

Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:


Configuration:

- Flexible Cable
- 2 Shield(s)

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RG142 Flexible Coax Cable FEP Jacket M17/60 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.

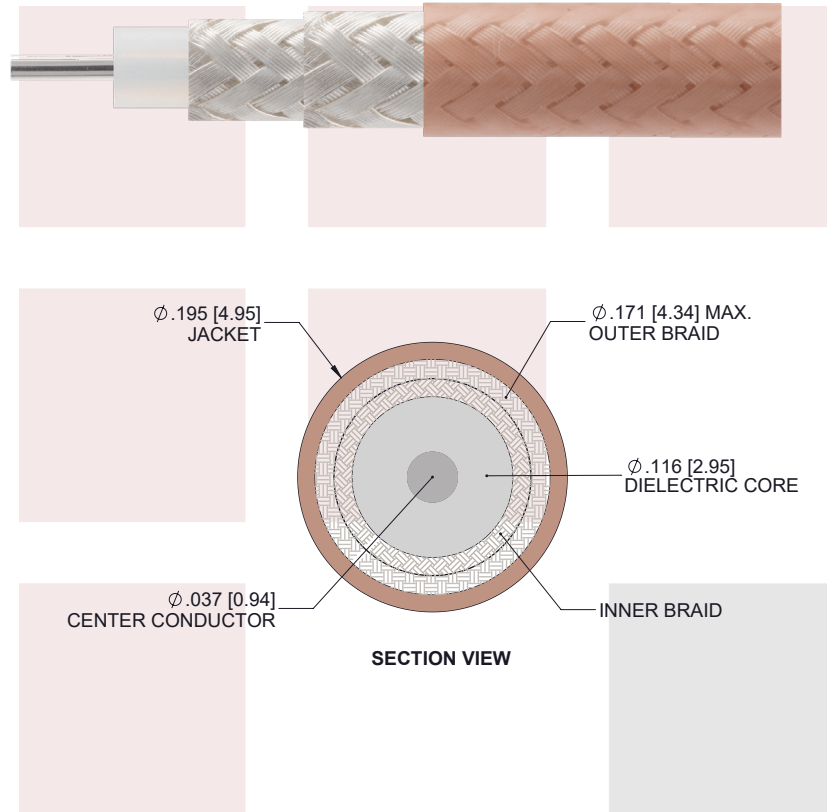
Click the following link to obtain additional part information: [RG142 Flexible Coax Cable FEP Jacket M17/60 M17/60-RG142](#)

URL: <https://www.fairviewmicrowave.com/rg142-flexible-coax-cable-fep-jacket-m17-60-rg142-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 | 7/1/2020 | S.ELLIS |



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|---|---|---|---|-----------|-----------------------------|------------------|--------|---|--------------------|-------------|--|--|--|---|--|--|----------------------------|--|
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| <p>TITLE</p> <p>RG142 Flexible Coax Cable FEP Jacket M17/60</p> | <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | | <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> | | | | | | | | | | | | | | | |
| <p>SIZE A</p> | <p>CAGE CODE 3FKR5</p> | <p>DRAWN BY K.DANG</p> | <p>ITEM NO. M17-60-RG142</p> <p>REV A</p> | | | | | | | | | | | | | | | |

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