

RG214 Flexible Coax Cable Black PVC Jacket
Electrical Specifications

| Description | Min | Typ | Max | Units |
|-------------------------|-----|----------|-------|--------|
| Frequency Range | DC | | 11 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 66 | | % |
| Operating Voltage (AC) | | | 5,000 | Vrms |
| Nominal Capacitance | | 30.94 | | pF/ft |
| | | [101.51] | | [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|------------------|-------|-------|-------|--------|--------|----------|
| Frequency | 0.01 | 0.1 | 1 | 5 | 10 | GHz |
| Attenuation, Typ | 0.637 | 2.073 | 7.686 | 20.689 | 36.52 | dB/100ft |
| | 2.09 | 6.8 | 25.22 | 67.88 | 119.82 | dB/100m |

Mechanical Specifications

| | |
|---------------------------------|--------------------------|
| Diameter | 0.425 in [10.8 mm] |
| Weight | 0.128 lbs/ft [0.19 kg/m] |
| Min. Bend Radius (Installation) | 2.165 in [54.99 mm] |
| Min. Bend Radius (Repeated) | 3.228 in [81.99 mm] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|----------------------------|--------------------|
| Inner Conductor | Copper, Silver, 7 Strands | 0.089 in [2.26 mm] |
| Conductor Type | Solid | |
| Dielectric | PE | 0.285 in [7.24 mm] |
| First Shield | Silver Plated Copper Braid | [] |
| Second Shield | Silver Plated Copper Braid | 0.331 in [8.41 mm] |
| Jacket | PVC, Black | 0.425 in [10.8 mm] |

Environmental Specifications
Temperature

Operating Range -25 to +70 deg C

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

Plotted and Other Data

Notes:


Configuration:

- Flexible Cable
- 2 Shield(s)

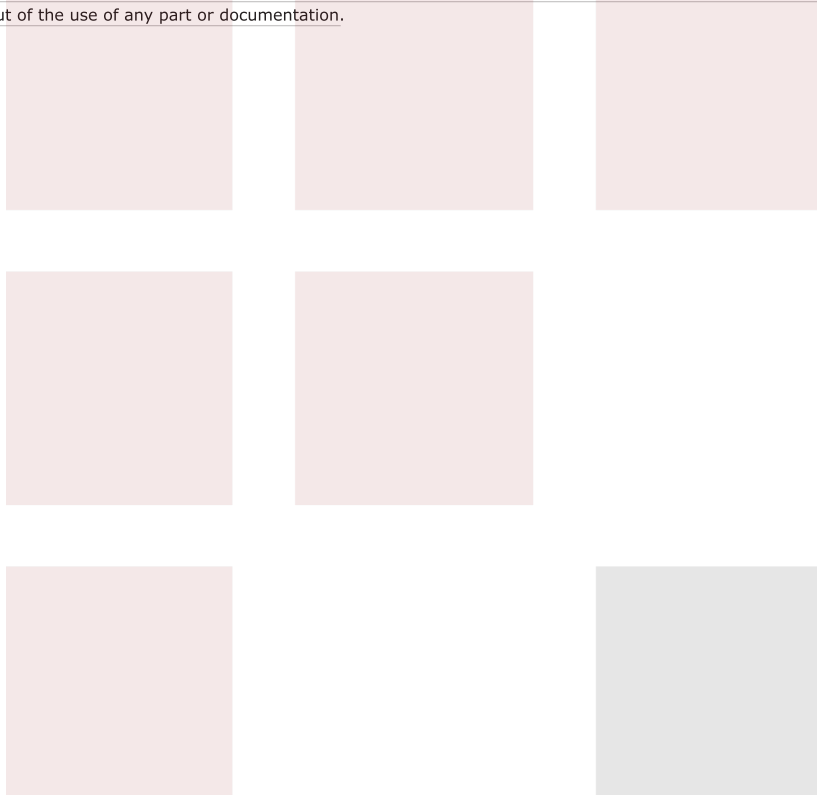
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RG214 Flexible Coax Cable Black PVC Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

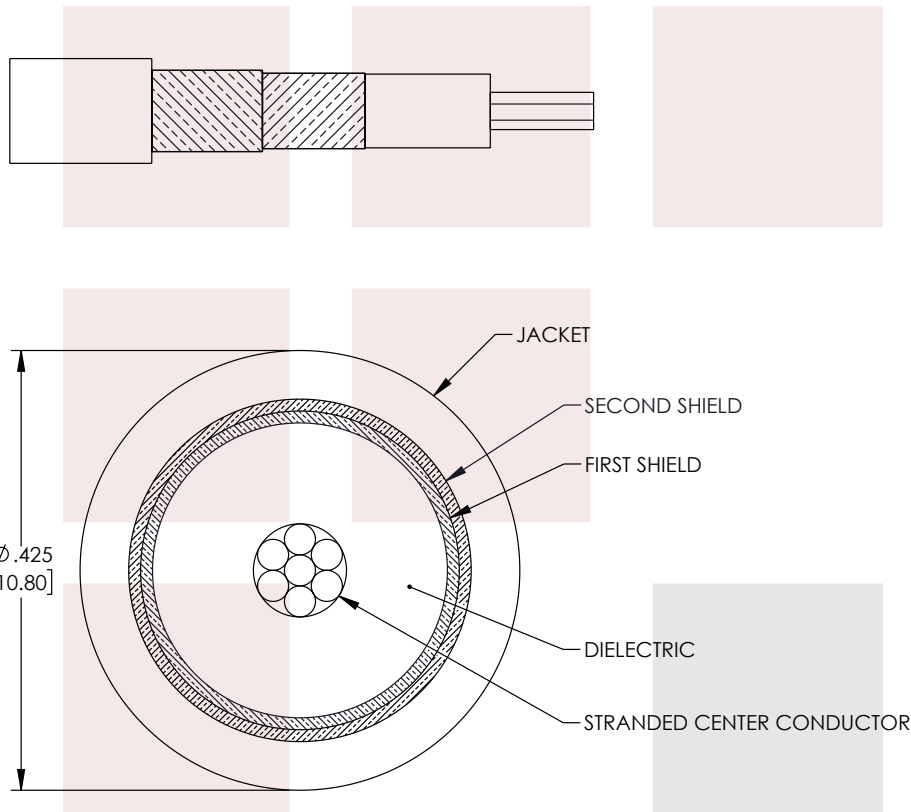
Click the following link to obtain additional part information: [RG214 Flexible Coax Cable Black PVC Jacket RG214-BULK](#)

URL: <https://www.fairviewmicrowave.com/rg214-flexible-coax-cable-pvc-jacket-rg214-bulk-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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|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <p>Fairview Microwave an INFINIT[®] brand</p> | <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> | | <p>THIRD-ANGLE PROJECTION</p> | |
| | <p>TOLERANCES:</p> <p>.X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ANGLES ± 1° .XXX = ±.005 [.13]</p> | | <p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0</p> | |
| <p>TITLE</p> <p>RG214 Flexible Coax Cable Black PVC Jacket</p> | | | <p>SHEET 1 OF 1</p> | |
| <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | | | <p>SCALE N/A</p> | |
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY DZINN | ITEM NO. RG214-BULK | REV A |

T-Rev.D