

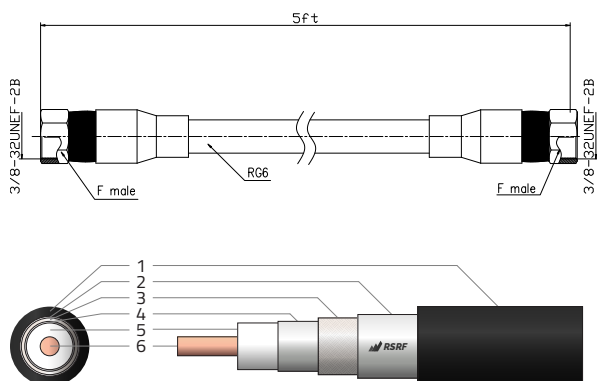
# RG6 F-Male Jumper Cable

by WAVEFORM

SKU: CARG6U-FMFM-005F

## Main Features:

- F-Male connectors
- 0-3000 MHz
- 75 Ω
- 6.9 mm diam. cabling



| # | Description     | Material       | Diameter (mm) | Plating |
|---|-----------------|----------------|---------------|---------|
| 1 | Jacket          | PVC            | 6.99          | N/A     |
| 2 | Outer Shield    | Aluminum Foil  | 5.59          | N/A     |
| 3 | Outer Shield    | Aluminum Braid | 5.58          | N/A     |
| 4 | Outer Shield    | Aluminum Foil  | 5.57          | N/A     |
| 5 | Dielectric      | PE             | 4.57          | N/A     |
| 6 | Inner Conductor | Copper         | 1.02          | N/A     |
|   | F Body          | Brass          | 20.3          | Nickel  |
|   | Crimping Suite  | Brass          | N/A           | Nickel  |
|   | Gasket          | Silicon Rubber | N/A           | Nickel  |
|   | O-ring Sealing  | Silicon Rubber | N/A           | N/A     |

## Specifications:

### Electrical:

|                       |  |
|-----------------------|--|
| Input Impedance       | 75 Ω   |
| Frequency Range       | 0 - 3000 MHz                                 |
| VSWR                  | ≤ 1.2 (Straight)<br>≤ 1.3 (Right Angle)      |
| Capacitance           | < 53.15 pF/m                                 |
| Velocity              | 85 %   |
| Shielding             | > 70 dB                                      |
| Voltage               | 170 V max (Working)<br>500 V rms (Withstand) |
| Contact Resistance    | ≤ 10 mΩ (center)<br>≤ 5 mΩ (outer)           |
| Insulation Resistance | ≥ 5000 MΩ                                    |

### RF Attenuation (per 5 ft):

|          |         |
|----------|---------|
| 600 MHz  | 0.37 dB |
| 900 MHz  | 0.47 dB |
| 1800 MHz | 0.70 dB |
| 2100 MHz | 0.77 dB |
| 2500 MHz | 0.86 dB |
| 3000 MHz | 0.90 dB |

### Environmental:

|                  |                  |
|------------------|------------------|
| Protection Class | IP67             |
| Burial Rated?    | No               |
| UV Rated?        | Yes              |
| Operating Temps. | -40 to +60 deg C |

### Mechanical:

|                    |               |
|--------------------|---------------|
| Jacket Color       | Black         |
| Cable Type         | RG6           |
| Cable Diameter     | 6.99 mm       |
| Cable Length       | 1.50 m (5 ft) |
| Bending Radius     | 34.8 mm       |
| Connector Type     | F-Male        |
| Connector Diameter | 11.0 mm       |
| Net Weight         | 77.9 g        |
| NFPA Rated?        | No            |
| ROHS Compliant?    | Yes           |



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