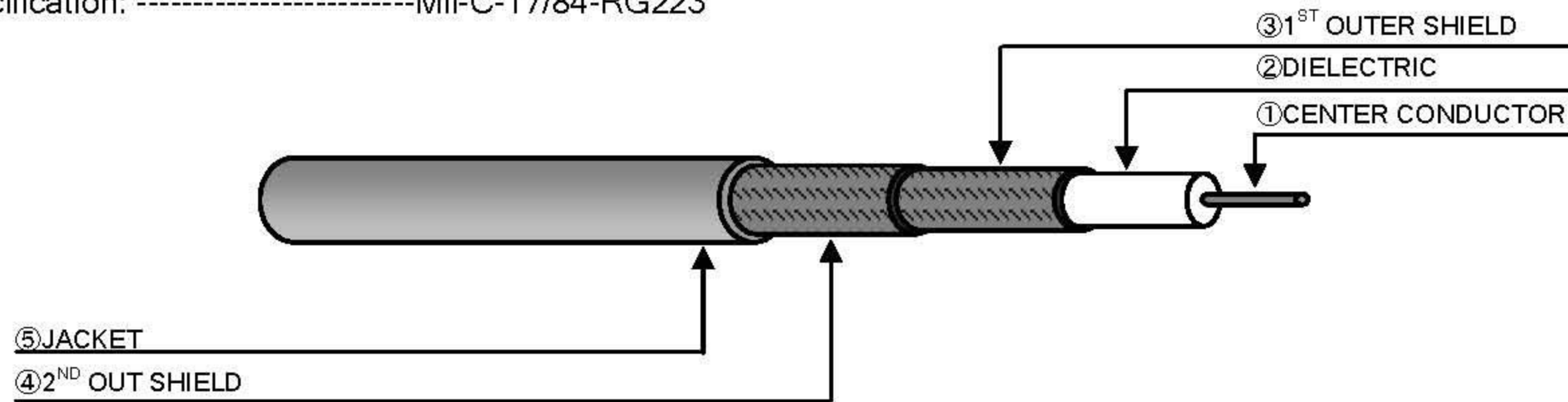


# RG-223

Description: RG CABLE 5.38mm(0.212inch) / 50 Ohm  
Specification: -----Mil-C-17/84-RG223



## CONSTRUCTION

| No | ITEM                         | MATERIAL | DIAMETER                 | REMARK           |
|----|------------------------------|----------|--------------------------|------------------|
| ①  | CENTER CONDUCTOR             | SPC      | $0.89 \pm 0.01\text{mm}$ | Strand 1/0.889mm |
| ②  | DIELECTRIC                   | PE       | $2.95 \pm 0.05\text{mm}$ | SOLID            |
| ③  | 1 <sup>st</sup> OUTER SHIELD | SPC      | $3.84 \pm 0.15\text{mm}$ | 95%(nom.)        |
| ④  | 2 <sup>nd</sup> OUTER SHIELD | SPC      | $3.90 \pm 0.15\text{mm}$ | 94%(nom.)        |
| ⑤  | JACKET                       | PVC      | $5.38 \pm 0.10\text{mm}$ | GRAY             |

\* SPC: Silver Plated Copper  
\* PE: PolyEthylene  
\* PVC: Polyvinyl Chloride

## ELECTRICAL DATA

| ITEM                     | SPECIFICATION                                  |                 |               |
|--------------------------|------------------------------------------------|-----------------|---------------|
| CAPACITANCE              | 101.0 pF/m (0.8 pF/FT) (nom.)                  |                 |               |
| CHARACTERISTIC IMPEDANCE | $50 \pm 2.0 \ \Omega$                          |                 |               |
| OPERATING FREQUENCY      | 12.4 GHz                                       |                 |               |
| OPERATING TEMP           | $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ |                 |               |
| OPERATING VOLTAGE        | 1,900 vrms (max.)                              |                 |               |
| RoHS Compliance          | YES                                            |                 |               |
| WEIGHT                   | 54 kg/Km                                       |                 |               |
| MAXIMUM ATTENUATION      | Frequency (MHz)                                | dB/100ft (dB/M) | Power (Watts) |
|                          | 100                                            | 4.2(0.14)       | -             |
|                          | 200                                            | 5.7(0.19)       | -             |
|                          | 400                                            | 9.0(0.30)       | -             |
|                          | 700                                            | 12.2(0.40)      | -             |
|                          | 1,000                                          | 14.8(0.49)      | -             |