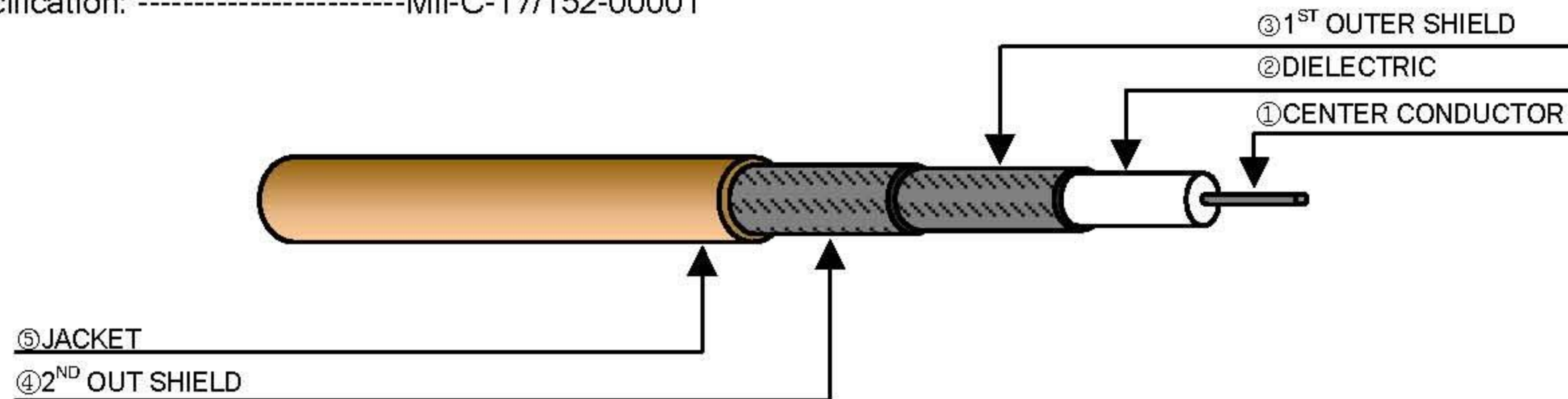


# RG-316/D.S

Description: RG CABLE 3.05mm(0.120inch) / 50 Ohm

Specification: -----Mil-C-17/152-00001



## CONSTRUCTION

| 번호 | ITEM                         | MATERIAL | DIAMETER                 | REMARK         |
|----|------------------------------|----------|--------------------------|----------------|
| ①  | CENTER CONDUCTOR             | SPCW     | $0.54 \pm 0.02\text{mm}$ | Strand 7/0.170 |
| ②  | DIELECTRIC                   | PTFE     | $1.54 \pm 0.15\text{mm}$ | SOLID          |
| ③  | 1 <sup>st</sup> OUTER SHIELD | SPC      | $2.05 \pm 0.15\text{mm}$ | 95.4%(nom.)    |
| ④  | 2 <sup>nd</sup> OUTER SHIELD | SPC      | $2.50 \pm 0.15\text{mm}$ | 94.6%(nom.)    |
| ⑤  | JACKET                       | FEP      | $3.05 \pm 0.20\text{mm}$ | BROWN          |

\* SPCW: Silver Plated Copper clad steel Wire

\* PTFE: PolyTetraFluorEthylene

\* SPC: Silver Plated Copper

\* FEP: Fluorinated Ethylene Propylene

## ELECTRICAL DATA

| ITEM                     | SPECIFICATION                                   |                 |               |
|--------------------------|-------------------------------------------------|-----------------|---------------|
| CAPACITANCE              | 104.9 pF/m (32.0 pF/FT) (nom.)                  |                 |               |
| CHARACTERISTIC IMPEDANCE | $50 \pm 2 \ \Omega$                             |                 |               |
| OPERATING FREQUENCY      | 12.4 GHz                                        |                 |               |
| OPERATING TEMP           | $-40^{\circ}\text{C} \sim +165^{\circ}\text{C}$ |                 |               |
| OPERATING VOLTAGE        | 1,200 vrms (max.)                               |                 |               |
| VOLTAGE WITHSTANDING     | 2,000 vrms (min.)                               |                 |               |
| WEIGHT                   | 24 kg/Km                                        |                 |               |
| MAXIMUM ATTENUATION      | Frequency (MHz)                                 | dB/100ft (dB/M) | Power (Watts) |
|                          | 100                                             | 15.0(0.49)      | 425           |
|                          | 200                                             | 12.5(0.41)      | -             |
|                          | 400                                             | 24.0(0.79)      | 210           |
|                          | 800                                             | 25.6(0.84)      | -             |
|                          | 1,000                                           | 40.0(1.31)      | 130           |
|                          | 2,000                                           | 43.6(1.43)      | -             |
|                          | 3,000                                           | 53.6(1.76)      | -             |
|                          | 5,000                                           | 63.4(2.08)      | -             |