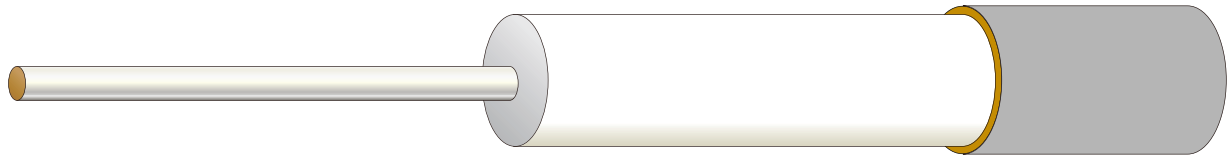
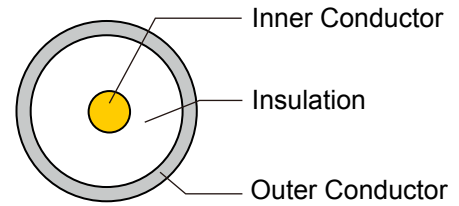


# .047 Semi-rigid Coaxial Cable

Military (MIL-C-17) Cable M17/151-00002 50ohm

Product No. **D04701E5ST**

## Structure Figure



### Inner Conductor

Material  
SPCW

Diameter  
.0113 +/- .0005 in.

### Insulation

Material  
PTFE,F1

Diameter  
.037 +/- .001 in.

### Outer Conductor

Material  
Copper/Tin

Diameter  
.047 + .002 - .001 in.

## Electrical Characteristics

| Description             | Specification        |
|-------------------------|----------------------|
| Impedance               | 50 ± 1.0 Ω           |
| Dielectric Strength     | 2.0 KVRMS 60 Hz      |
| Corona Extinction       | Min. 1.0 KVRMS 60 Hz |
| Max Operating Frequency | 40 GHz               |

## Physical Characteristics

| Description                       | Specification    |
|-----------------------------------|------------------|
| Safe Bend Radius (proper tooling) | .050 in.         |
| Max. Weight                       | 4.8 Lbs./1000ft. |
| Operating Temperature             | -55°C~100°C      |

## Attenuation

| Frequency             | 1.0 GHz | 10.0 GHz | 20.0 GHz |
|-----------------------|---------|----------|----------|
| dB/100ft              | 40.0    | 130.0    | 190.0    |
| Average Power (Watts) | 32.0    | 9.0      | 6.5      |