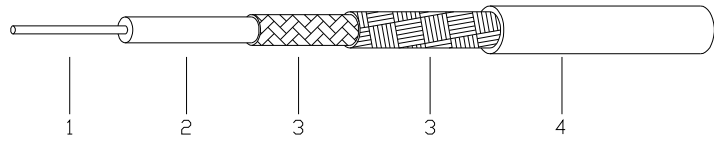


## RG142PUR



### Construction Specification

|                    | Material                          | Diameter |       |
|--------------------|-----------------------------------|----------|-------|
|                    |                                   | mm       | inch  |
| 1. Inner Conductor | Silver Plated Copper Clad Steel   | 0.92     | 0.036 |
| 2. Dielectric      | Solid Polyethylene                | 2.95     | 0.116 |
| 3. Outer Conductor | Double Silver Plated Copper Braid | 3.85     | 0.152 |
| 4. Jacket          | Blue PUR                          | 4.90     | 0.193 |

### Electrical Characteristics

|                           |                     |
|---------------------------|---------------------|
| Impedance                 | 50 ohm              |
| Velocity of Propagation   | 70%                 |
| Capacitance               | 95 Pf/m 27.57 Pf/Ft |
| Voltage Withstand (V.DC)  | 1900                |
| Operation Frequency (GHz) | 12.4                |

### Mechanical Characteristics

|                         |    |
|-------------------------|----|
| Min.Bending Radius (mm) | 25 |
|-------------------------|----|

### Environmental Characteristics

|                    |         |
|--------------------|---------|
| Operating Temp(°C) | -40~+85 |
|--------------------|---------|

### Attenuation & Average Power @ 20°C and Seal Level

| Frequency(MHz) | Attenuation |        |
|----------------|-------------|--------|
|                | dB/1m       | dB/1Ft |
| 900            | 0.390       | 0.119  |
| 1500           | 0.515       | 0.157  |
| 1800           | 0.581       | 0.177  |
| 2000           | 0.612       | 0.187  |
| 2500           | 0.704       | 0.215  |
| 3000           | 0.772       | 0.235  |
| 3500           | 0.846       | 0.258  |
| 4500           | 0.985       | 0.300  |
| 5500           | 1.113       | 0.339  |
| 6000           | 1.182       | 0.360  |
| 8000           | 1.575       | 0.480  |
| 10000          | 1.750       | 0.534  |