

## 402 Series Flexible Coax Cable with FEP(Green) Jacket | DC-18GHz

P/N: RG402-SS

### Construction and Parameter

|                   | Material                        | Diameter |
|-------------------|---------------------------------|----------|
| Centre conductor  | Silver Plated Copper (SPC)      | 0.91mm   |
| Dielectric        | Solid extruded PTFE             | 3.0mm    |
| Outer Conductor 1 | Solid Silver Plated Copper Wire | 3.55mm   |
| Outer Conductor 2 |                                 |          |
| Jacket            | FEP                             | 4.12mm   |



### Mechanical Data

|                     |        |
|---------------------|--------|
| Colour              | Blue   |
| Weight (g)          | 49     |
| Min. Bending Radius | 12.7mm |

### Environmental Specifications

|                             |                 |
|-----------------------------|-----------------|
| RoHS Compliant              | Yes             |
| Operating Temperature Range | -55°C to +165°C |
| MIL/STD                     | N/A             |
| Storage Temperature Range   | -55°C to +125°C |

### Electrical Specifications

|                         |            |
|-------------------------|------------|
| Frequency               | DC - 18GHz |
| RF Leakage              | 100dB      |
| Capacitance (pF/m)      | 94         |
| Velocity of propagation | 70%        |
| Impedance (ohm)         | 50         |

### Attenuation and Power Data

| Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C) |                       |           |
|---------------------------------------------------------------|-----------------------|-----------|
| Frequency (MHz)                                               | Attenuation (dB/100m) | Power (W) |
| 400                                                           | 18                    | 440       |
| 1000                                                          | 38                    | 290       |
| 2000                                                          | 53                    | 220       |
| 3000                                                          | 71                    | 156       |
| 4000                                                          | 83                    | 138       |
| 5000                                                          | 96                    | 121       |
| 6000                                                          | 107                   | 103       |
| 10000                                                         | 144                   | 76        |
| 18000                                                         | 216                   | 51        |