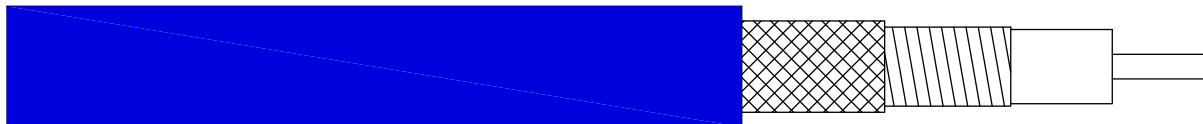




R-Test UltraFlex Coaxial Cable

UF0221



**Material And Diameter**

| Connector parts | Material                   | Diameter            |
|-----------------|----------------------------|---------------------|
| Inner Conductor | Silver Plated Copper (SPC) |                     |
| Dielectric      | Low Density PTFE           |                     |
| Foil            | Copper, Silver plated      |                     |
| Braid           | Copper, Silver plated      |                     |
| Jacket          | PUR                        | 3.60 mm (.142 inch) |

**Electrical Data**

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| Impedance                               | 50 $\Omega$                        |
| Frequency                               | DC to 50 GHz                       |
| Capacitance                             | 78.72 pF/m                         |
| Velocity of signal propagation          | 81 %                               |
| Signal delay                            | 4.00 ns/m                          |
| Insulation resistance                   | $\geq 1 \times 10^8$ M $\Omega$ /m |
| Screening effectiveness                 | $\geq 90$ dB (up to 18 GHz)        |
| Operating Voltage Max. ( Vrms @ 60 Hz ) | $\leq 1.75$ kVrms (@ sea level)    |
| Power Handling                          | See chart                          |

**Mechanical Data**

|                        |        |
|------------------------|--------|
| Weight                 | 30 g/m |
| Static bending radius  | 18 mm  |
| Dynamic bending radius | 36 mm  |

**Environmental Data**

|                   |                |
|-------------------|----------------|
| Temperature range | -55°C to +85°C |
| RoHS (2011/65/EU) | compliant      |

**Typical Attenuation**

| Frequency (GHz) | Typical Attenuation (dB/m)<br>@ 20°C sea level | Typical Attenuation (dB/ft)<br>@ 20°C sea level | Max. CW power (Watt)<br>@ 20°C sea level |
|-----------------|------------------------------------------------|-------------------------------------------------|------------------------------------------|
| 1               | 0.50                                           | 0.15                                            | 89                                       |
| 3               | 0.88                                           | 0.27                                            | 51                                       |
| 6               | 1.27                                           | 0.39                                            | 35                                       |
| 10              | 1.66                                           | 0.51                                            | 27                                       |
| 18              | 2.29                                           | 0.70                                            | 20                                       |
| 26.5            | 2.82                                           | 0.86                                            | 16                                       |
| 40              | 3.55                                           | 1.08                                            | 13                                       |
| 50              | 4.03                                           | 1.29                                            | 11                                       |