

## Technical Data Sheet

# 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 Ω

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 ≥ 90 dB (up to 18 GHz)

Operating Voltage Max. (Vrms @ 60 Hz) ≤ 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**

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

## Typical Attenuation

Frequency (GHz)	Typical Attenuation (dB/m) @ 20°C sea level	Typical Attenuation (dB/ft) @ 20°C sea level	Max. CW power (Watt) @ 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

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only	Kev.:-	Rosnol RF/Microwave Technology www.rosnol.com ; info@rosnol.com	Page
In the effort to improve our products, we reserve the right to make changes judged to be necessary.	Date: 06/30/14	Phone:+886-3-463-5095 Fax:+886-3-463-5952	1/1