



RG-214/U 50 Ohms Coaxial Cable



Inner Conductor
 Insulation
 1st Outer Conductor
 2nd Outer Conductor
 Jacket



Min. Bending Radius: 36.0 mm
Max. Pulling Tension 746 N
Crush resistance of cable (load of 700N) < 1 %
Rated Temperature
 Storage/operating temperature -20~+75 °C
 Outdoor Installation -20 °C

Center Conductor Stranded Silver Plated Copper
 Conductor Dia.(+/-0.015mm) 2.25 (7/0.752)
 Min. Break Strength (N) 1430

Insulation Solid Polyethylene
 Insulation Dia.(+/-0.10mm) 7.24
 Color Neutral
 Centricity (%) ≥ 90
 Adhesion 20 to 100N @ 200mm

1st Outer Conductor Silver Plated Bare Copper Braid
 Conductor Dia.(+/-0.01mm) 0.16
 No. of Wires 168
 Coverage (+/-3%) 95

2nd Outer Conductor Silver Plated Bare Copper Braid
 Conductor Dia.(+/-0.01mm) 0.16
 No. of Wires 168
 Coverage (+/-3%) 95

Outer Jacket PVC
 Outer Dia (+/-0.20mm) 10.80
 Tensile strength ≥ 10.5 N/mm²
 Elongation at break ≥ 150 %
 Adhesion 150 to 250N @ 200mm

Characteristic Impedance 50 ±3ohm
Capacitance 94 ±3pF/m
Velocity Ratio > 66 %
DC Resistance: Centre Conductor < 6.10 ohm/km
DC Resistance: Outer Conductor < 3.60 ohm/km
Insulation Resistance > 5,000 MΩ·km
Dielectric Strength 2500 VAC
Voltage Withstand 5000 VDC
Screening Factor at 1 - 1000MHz > 90 dB

Frequency	Attenuation (at 20 °C)
1 MHz	0.17 dB/100Ft
10 MHz	0.59 dB/100Ft
50 MHz	1.38 dB/100Ft
100 MHz	1.98 dB/100Ft
200 MHz	2.80 dB/100Ft
400 MHz	4.20 dB/100Ft
700 MHz	6.40 dB/100Ft
900 MHz	7.40 dB/100Ft
1000 MHz	7.80 dB/100Ft
4000 MHz	23.40 dB/100Ft

Printing

Shireen RFC ® RG214/U 50 ohms Cable ww/yy + footage marking