

# RG214/U 97% Silver Copper Braid LSZH

Coaxial Cable, 50 Ohm, SWB

## Construction

Material	Detail	inches	mm
Inner Conductor	Silver Plated Copper 7 x 0.75mm	0.089	2.25
Dielectric	Solid Polyethylene	0.285	7.25
1st Outer Conductor	94% Silver Plated Copper Braid	0.315	8.0
2nd Outer Conductor	97% Silver Plated Copper Braid	0.346	8.8
Inner Jacket	Low Smoke Zero Halogen	0.425	10.8
Armour	Steel Wire Braid	0.472	12.0
Outer Jacket	Low Smoke Zero Halogen	0.571	14.5

## Mechanical Specification

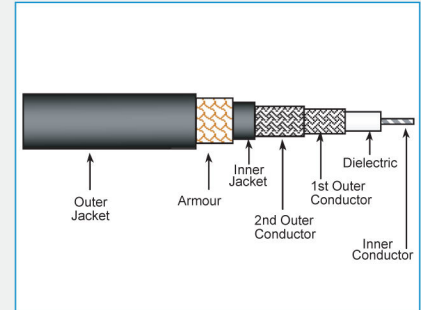
	inches	mm
Minimum Bend Radius	8.57	217.68

## Electrical Specification at 20°C

DC Resistance		$\Omega$ / km
Inner Conductor		5.70
1st Braid		6.20
2nd Braid		6.20
Mutual Capacitance, Nominal	100pF/m	
Characteristic Impedance, $\Omega$		50 $\pm$ 3
Velocity Ratio, %	66	
Maximum Operating Frequency	11 GHz	
Operating Voltage	3.7 kV rms	
Test Voltage	Inner/Outer conductor	10.0 kV rms

## Ordering Information

P/N	Product Description	P.U
RG4157B	RG214/U 97% Silver Copper Braid PVC SWB	500m/drum
RG4257B	RG214/U 97% Silver Copper Braid LSZH SWB	500m/drum
RG4357B	RG214/U 97% Silver Copper Braid FRNC SWB	500m/drum



## Application

Any device that functions as a transmitter or transceiver tends to use 50 Ohm Coaxial Cable. Widely used for industrial and commercial two-way radio frequency applications (including radio, and telecommunications). Used for high-frequency signal transmission. Steel wire braid provides outdoor protection against harsh handling.

Suitable for high EMI environments.

## Fire Rating

IEC 60332-1, IEC 61034-2, IEC 60754-1/2,  
IEC 60332-3C(SWB)

## Optional

- PVC/ FRNC