

Series RG Coaxial Cable  
Stranded Silver Coated Copper Conductor  
Solid Polyethylene Dielectric  
95% Silver Coated Copper Braid  
98% Silver Coated Copper Braid  
Black PVC Jacket



### Cable Ordering Information

Part Number	Description	NEC / CSA Listing	MIL-SPEC No.
214SWZS950V11UBK0C	RG-214/U	none	MIL-DTL-17/75

### Characteristics

Material	Detail	inches	mm
Inner Conductor	Stranded Silver Coated Copper	0.0890	2.26
Dielectric	Solid Polyethylene	0.285	7.24
1 <sup>st</sup> Outer Conductor	95% Silver Coated Copper Braid	0.317	8.04
2 <sup>nd</sup> Outer Conductor	98% Silver Coated Copper Braid	0.342	8.68
Jacket	PVC, Black	0.425	10.80

### Mechanical Specifications

Minimum Bend Radius		4.25 in	108.0 mm
Product Weight	(less reel)	143.8 lb/kft	214.0 kg/km
Operating Temperature Range		-40 ~ 185 °F	-40 ~ 85 °C

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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Electrical Specifications		
Impedance	50 $\pm$ 2 $\Omega$	
Velocity of Propagation, Nominal	65.9 %	
Voltage Withstand	AC 10KV/1min.	
Capacitance, Nominal	30.8 pF/ft	101.0 pF/m
DC Resistance @ 68 °F (20 °C)	$\Omega$ / kft	$\Omega$ / km
Inner Conductor	1.73	5.68

Attenuation, Nominal @ 68 °F (20 °C)		
Frequency, MHz	dB / 100 ft	dB / 100 m
10	0.58	1.89
50	1.37	4.48
100	2.00	6.55
200	2.83	9.30
400	4.30	14.12
700	6.82	22.39
900	7.98	26.18
1000	8.40	27.56

Attenuation increase with increasing temperature and decreases with decreasing temperature at the rate of 0.1% / °F (0.18% / °C)

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