

## RG214/U

### Double-shielded 50 Ohm coaxial cable

Our RF MAX brand of double shielded, 50 Ohm RG214/U coaxial cable offers equivalent or improved construction and performance to "other" brands available.

RG214/U is commonly used in test leads and quality installation requiring Low PIM and cross talk.

This coaxial cable is available in 100m or 300m roll, please consult ZCG for more information.



Specifications	RG214/U (7808)	
Order code 100m roll	7808-100	
Order code 300m roll	7808-300	
Centre conductor	Silver plated copper, 7 strand, 2.24mm	
Dielectric	Solid polyethylene (PE), 7.25mm	
1st braid coverage	96%, Tinned copper braid	
2nd braid coverage	98%, Tinned copper braid	
Jacket	Black PVC, 1.10mm thick, 10.8mm outside diameter	
Mechanical specifications		
Minimum bend radius	Static: 55mm	Dynamic: 162mm
Weight	18.5Kg per 100 metres	
Operating temperature	-40°C to +85°C	
Electrical specifications		
Impedance	50 Ohm	
Maximum frequency	6GHz	
Nominal capacitance	100 pF/m	
Velocity of propagation	66%	
Sparker test	4,000 VAC	
Dielectric strength	Conductor to shield : 10,000 VDC	



Attenuation figures on following page...

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Attenuation	Per 100 metres	Maximum power
100MHz	5dB	1028 Watts
200MHz	9dB	727 Watts
300MHz	12dB	593 Watts
400MHz	14dB	514 Watts
500MHz	16dB	460 Watts
600MHz	18dB	420 Watts
800MHz	21dB	353 Watts
850MHz	22dB	353 Watts
900MHz	23dB	343 Watts
1GHz	24dB	325 Watts
1.8GHz	35dB	242 Watts
2GHz	38dB	230 Watts
2.4GHz	43dB	210 Watts
3GHz	50dB	188 Watts
4GHz	61dB	163 Watts
5GHz	72dB	145 Watts
6GHz	82dB	133 Watts

