

## Section 10

### COAXIAL CABLE and FITTINGS

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#### RG213U Coaxial Cable Huber & Suhner Brand, 50 Ohm 500 metre roll



RG213 is a common everyday cable useful for both VHF and UHF applications.

A recognised brand in the industry, Huber and Suhner 50 ohm RG213U coaxial cable is available in a full 500 metre roll.

The Order Code is **7800-500**.



Construction Specifications, Huber & Suhner RG213U Cable			
<b>Centre Conductor</b>	Copper, 7 Strand, 2.25 mm diameter		
<b>Dielectric</b>	Polyethylene (PE), 7.28 mm diameter		
<b>Outer Conductor</b>	Copper Braid, 96% Coverage, 8.1 mm diameter		
<b>Jacket</b>	Black PVC II (non-migration), 10.3 mm diameter $\pm$ 0.1		
Mechanical Specifications			
<b>Bend Radius</b>	Static 55 mm, Repeated 100 mm (max 50 bends)		
<b>Weight</b>	15.3 kg per 100 metres		
<b>Operating Temperature</b>	-40°C to +85°C		
Electrical Specifications			
<b>Impedance</b>	50 Ohms ( $\pm$ 2 Ohms)		
<b>Maximum Frequency</b>	1 GHz		
<b>Capacitance</b>	100.7 pF/m		
<b>Velocity of Propagation</b>	66 %		
<b>Signal Delay</b>	5.03 nS/m		
<b>Shielding Effectiveness</b>	> 40 dB up to 1 GHz		
<b>Max Operating Voltage</b>	5 kV rms at sea level		
<b>Test Voltage</b>	10 kV rms (50 Hz/1 min)		
Attenuation		Per 100 metres	Maximum Power
<b>Frequency</b>	<b>50 MHz</b>	4 dB	1860 Watts
	<b>100 MHz</b>	6 dB	1316 Watts
	<b>200 MHz</b>	9 dB	930 Watts
	<b>300 MHz</b>	12 dB	760 Watts
	<b>400 MHz</b>	14 dB	658 Watts
	<b>500 MHz</b>	16 dB	588 Watts
	<b>600 MHz</b>	18 dB	537 Watts
	<b>700 MHz</b>	19 dB	497 Watts
	<b>800 MHz</b>	21 dB	465 Watts
	<b>900 MHz</b>	23 dB	439 Watts
<b>1000 MHz</b>	24 dB	416 Watts	