

## Section 10

### COAXIAL CABLE and FITTINGS

Updated 22 November 2011

### RU400 Low Loss Coaxial Cable, 50 Ohm



For those longer cable runs or the higher frequency range, this 50 ohm RU400 cable will provide the low attenuation performance you require.

This is a high quality cable equivalent to, and in some cases better than, all other 400 series coaxial cables available on the market today.

Available in cut lengths, the Order Code is **7890**. To reduce the price per metre, purchase a full roll : **7890-100** is the 100 metre roll. **7890-300** is the large 300 metre roll.



Construction Specifications RU400 Low Loss 50 Ohm (7890)			
Centre Conductor	Bare Copper, 2.74 mm		
Dielectric	Foamed Polyethylene (PE), 7.24 mm		
1st Outer Conductor	Sealed APA Tape, 7.37 mm		
2nd Outer Conductor	Tinned Copper Braiding, 8.17 mm, 98% Coverage		
Jacket	Black Polyethylene (PE), 10.30 mm diameter.		
Mechanical Specifications			
Minimum Bend Radius	72.1 mm		
Weight	14.6 kg per 100 metres		
Operating Temperature	-40°C to +85°C		
Electrical Specifications			
Impedance	50 Ohms (± 3 Ohms)		
Nominal Capacitance	78 pF/m		
Velocity of Propagation	85%		
DC Resistance	Inner Conductor	3.06 Ohms/km	
	Outer Conductor	5.41 Ohms/km	
	Loop	8.47 Ohms/km	
Attenuation	Per 100 metres	Maximum Power	
Frequency	150 MHz	5.64 dB	1000 Watts
	220 MHz	6.79 dB	830 Watts
	450 MHz	10.24 dB	550 Watts
	900 MHz	14.72 dB	380 Watts
	1500 MHz	19.21 dB	
	1800 MHz	21.22 dB	
	2000 MHz	22.66 dB	
2400 MHz	25.65 dB		