

Section 10

COAXIAL CABLE and FITTINGS

Updated 22 November 2011

RU400-75 Low Loss Coaxial Cable, 75 Ohm



RU400-75 is a high quality 75 ohm coaxial cable which delivers excellent low attenuation performance. This cable is therefore ideally suited for those longer cable runs or the higher frequency range.

Available in cut lengths, the Order Code is **8121**.

To reduce the price per metre, purchase the full 300 metre roll; Order Code **8121-300**.



Construction Specifications RU400-75 Cable, 75 Ohm (8121)

Centre Conductor	Solid Copper, 1.65 mm
Dielectric	Foamed Polyethylene (PE), 7.24 mm
1st Outer Conductor	Aluminium Tape, 7.39 mm
2nd Outer Conductor	Tinned Copper Braiding, 8.13 mm
Jacket	Black Polyethylene (PE), 10.29 mm diameter.

Mechanical Specifications

Minimum Bend Radius	Installation : 25.4 mm. Repeated : 101.6 mm
Weight	10 kg per 100 metres
Operating Temperature	-40°C to +85°C

Electrical Specifications

Impedance	75 Ohms
Nominal Capacitance	52.3 pF/m
Velocity of Propagation	85%
DC Resistance	Inner Conductor 8.20 Ohms/km Outer Conductor 7.30 Ohms/km
Maximum Frequency	2,500 MHz

Attenuation		Per 100 metres	Maximum Power
Frequency	30 MHz	2.1 dB	2,990 Watts
	50 MHz	2.7 dB	2,331 Watts
	150 MHz	4.8 dB	1,320 Watts
	220 MHz	5.8 dB	1,080 Watts
	450 MHz	8.4 dB	740 Watts
	900 MHz	12.1 dB	520 Watts
	1,500 MHz	16.0 dB	390 Watts
	1,800 MHz	17.6 dB	350 Watts
	2,000 MHz	18.7 dB	330 Watts
	2,500 MHz	21.1 dB	300 Watts