

## Section 10

### COAXIAL CABLE and FITTINGS

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### RG11A/U Single Screened Coaxial Cable Huber & Suhner Brand, 75 Ohm



RG11A/U is a single screened 75 ohm coaxial cable manufactured by Huber and Suhner, a well recognised brand in the industry.

When compared to 75 ohm RG59B/U, this cable offers both better attenuation performance and higher power ratings. Therefore RG11A/U is the preferred choice for those longer cable runs or the higher frequency and power ranges.

Available in cut lengths, the Order Code is **7801**.



#### Construction Specifications for RG11A/U Cable, 75 Ohm (7801)

Inner Conductor	Copper, Tinned Plated, Strand-07, 1.2 mm
Dielectric	Solid Polyethylene (PE), 7.25 mm
Outer Conductor	Copper Braid, 96% coverage, 8.1 mm
Jacket	Black PVC II (non-migration), 10.3 mm (± 0.1 mm)

#### Mechanical Specifications

Bend Radius	Static 55 mm, Dynamic 154 mm
Weight	13.3 kg per 100 metres
Operating Temperature	-25°C to +85°C

#### Electrical Specifications

Max Operating Frequency	1 GHz
Velocity of Propagation	66 %
Signal Delay	5.03 nS/m
Impedance	75 Ohms
Capacitance	67 pF/m
Maximum Voltage	5 kV rms at sea level

#### Attenuation Per 100 metres Maximum Power Rating

Frequency	50 MHz	Per 100 metres	Maximum Power Rating
	50 MHz	4 dB	1279 Watts
	100 MHz	6 dB	904 Watts
	150 MHz	8 dB	738 Watts
	200 MHz	9 dB	640 Watts
	250 MHz	10 dB	572 Watts
	300 MHz	11 dB	522 Watts
	350 MHz	12 dB	483 Watts
	400 MHz	13 dB	452 Watts
	450 MHz	14 dB	426 Watts
	500 MHz	15 dB	404 Watts
	550 MHz	16 dB	386 Watts
	600 MHz	17 dB	369 Watts
	650 MHz	17 dB	355 Watts
	700 MHz	18 dB	342 Watts
	750 MHz	19 dB	330 Watts
	800 MHz	20 dB	320 Watts
	850 MHz	20 dB	310 Watts
	900 MHz	21 dB	301 Watts
	950 MHz	22 dB	293 Watts
	1000 MHz	22 dB	286 Watts