

Section 10

COAXIAL CABLE and FITTINGS

Updated 23 February 2011

RG59B/U MIL SPEC Coaxial Cable, 75 Ohm



RG59B/U is a common everyday use MIL SPEC coaxial cable for 75 ohm applications, particularly television.

Available in cut lengths, the Order Code is **7807**.

A 100 metre roll is available at a reduced price per metre. The full roll Order Code is **7807-100**.



| Construction Specifications RG59B/U Cable, 75 Ohm (7807) | | | | |
|--|--------------------------------------|----------------|-----------|---------------|
| Centre Conductor | Bare Copper, 0.58 mm | | | |
| Dielectric | Polyethylene (PE), 3.64 mm | | | |
| Overall Braid | Bare Copper | | | |
| Jacket | Black PVC, 6.10 mm outside diameter. | | | |
| Mechanical Specifications | | | | |
| Minimum Bend Radius | 35.0 mm | | | |
| Weight | 5 kg per 100 metres | | | |
| Operating Temperature | -40°C to +85°C | | | |
| Electrical Specifications | | | | |
| Impedance | 75 Ohms | | | |
| Nominal Capacitance | 67.7 pF/m | | | |
| Velocity of Propagation | 66% | | | |
| Attenuation | | Per 100 metres | | Maximum Power |
| Frequency | 50 MHz | 8 dB | 50 MHz | 540 Watts |
| | 100 MHz | 11 dB | 100 MHz | 270 Watts |
| | 200 MHz | 16 dB | 200 MHz | 270 Watts |
| | 300 MHz | 20 dB | | |
| | 400 MHz | 23 dB | 400 MHz | 185 Watts |
| | 500 MHz | 26 dB | | |
| | 600 MHz | 29 dB | | |
| | 700 MHz | 32 dB | | |
| | 800 MHz | 34 dB | | |
| | 900 MHz | 37 dB | | |
| | 1,000 MHz | 39 dB | 1,000 MHz | 110 Watts |