



## MODEL RG214

### FEATURES

Polar Electronic Industries Pty Ltd can supply your needs for coaxial cables made with a braided outer conductor, including some low-loss types. Coaxial cables may be supplied fitted with connectors to order, and cables mounting hardware is available.

### CONSTRUCTION

The datasheet refers to common braided outer conductor cables, with the specifications showing the attenuation losses in dB per 100 metres of coaxial cable when used at various frequencies, and also the highest average power level for the coaxial cable at those frequencies.

### NOTES

If you have other requirements please consult Polar, we have a wide range available including cables with a variety of impedances other than 50 ohms.

Abbreviations, Inner conductor:

- CB - copper braid
- CW - solid copper wire
- CS - copper strands
- DSCB - double silvered copper braid
- SCW - silvered copper wire
- SCS - silvered copper strands
- TCB - tinned copper braid
- TCBAF - tinned copper braid with aluminium foil
- TCS - tinned copper strands



RG214

|                                   |                     |
|-----------------------------------|---------------------|
| <b>MODEL NO</b>                   | <b>RG214</b>        |
| <b>IMPEDANCE</b>                  | 50 ohms             |
| <b>ATTENUATION</b>                | 4.3 dB @ 40 MHz     |
| <b>ATTENUATION</b>                | 7.2 dB @ 75 MHz     |
| <b>ATTENUATION</b>                | 8.9 dB @ 160 MHz    |
| <b>ATTENUATION</b>                | 16.5 dB @ 450 MHz   |
| <b>ATTENUATION</b>                | 26.4 dB @ 900 MHz   |
| <b>POWER</b>                      | 1500 Watts @ 40 MHz |
| <b>POWER</b>                      | 940 Watts @ 75 MHz  |
| <b>POWER</b>                      | 660 Watts @ 160 MHz |
| <b>POWER</b>                      | 330 Watts @ 450 MHz |
| <b>POWER</b>                      | 200 Watts @ 900 MHz |
| <b>DIAMETER <math>\phi</math></b> | 10.8 mm (outer)     |
| <b>WEIGHT</b>                     | 18.8 kg/100m        |
| <b>INNER CONDUCTOR</b>            | SCS                 |
| <b>OUTER CONDUCTOR</b>            | DSCB                |
| <b>DIELECTRIC TYPE</b>            | Solid PE            |
| <b>OUTER SHEATH</b>               | PVC                 |
| <b>VELOCITY FACTOR</b>            | 66 %                |
| <b>CAPACITANCE</b>                | 96.8 pF             |

