



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

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

