

**BRAIDED OUTER CONDUCTOR****MODEL RG58****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



RG58

MODEL NO	RG58
IMPEDANCE	50 ohms
ATTENUATION	10.4 dB @ 40 MHz
ATTENUATION	13.2 dB @ 75 MHz
ATTENUATION	22.8 dB @ 160 MHz
ATTENUATION	37.9 dB @ 450 MHz
ATTENUATION	65.6 dB @ 900 MHz
POWER	260 Watts @ 40 MHz
POWER	200 Watts @ 75 MHz
POWER	140 Watts @ 160 MHz
POWER	75 Watts @ 450 MHz
POWER	50 Watts @ 900 MHz
DIAMETER ϕ	4.95 mm (outer)
WEIGHT	4.0 kg/100m
INNER CONDUCTOR	CS
OUTER CONDUCTOR	TCB
DIELECTRIC TYPE	Solid PE
OUTER SHEATH	PVC
VELOCITY FACTOR	66 %
CAPACITANCE	93.5 pF

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