

RG58 low loss

Low loss, solid core MIL-SPEC
50 Ohm coaxial cable

RG58 low loss solid core MIL-SPEC, 50 Ohm coaxial cable is particularly useful for applications such as cellular antenna installations. (UV Rated)

This range of RG58 low loss solid core MIL-SPEC is available in either white outer jacket or black outer jacket.

This coaxial cable is available in 100m or 300m roll, please consult ZCG for more information.



Specifications	RG58 low loss 7839
Order code 100m roll	7839-100 - black only
Order code 300m roll	7839-300 - black or 7839W-300 - white
Centre conductor	Solid bare copper, 1.02mm
Dielectric	Foamed polyethylene (PE)
Outer conductor	Aluminium tape
Overall braid	Tinned copper, 95% coverage
Jacket	Polyethylene (PE), 4.95mm outside diameter
Mechanical specifications	
Minimum bend radius	25mm single bend, 50mm multiple bends.
Weight	3Kg per 100 metres
Operating temperature	-40°C to +85°C
Electrical specifications	
Impedance	50 Ohms
Nominal capacitance	79.7 pF/m
Velocity of propagation	80%
UV rating	60UL @ 60°C
Life expectancy	10-15 Years Dry or 3-5 Years Wet



Attenuation figures on following page...

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Attenuation	Per 100 metres
30MHz	6.3dB
50MHz	8.1dB
100MHz	12.0dB
150MHz	14.1dB
220MHz	17.1dB
450MHz	24.6dB
900MHz	35.0dB
1.5GHz	45.6dB
1.8GHz	50.1dB
2GHz	53.0dB
2.5GHz	59.5dB
Maximum power	
10MHz	1,000 Watts
50MHz	450 Watts
100MHz	300 Watts
200MHz	200 Watts
400MHz	135 Watts
1GHz	80 Watts
3GHz	40 Watts
5GHz	20 Watts

