

# TOP GUN

## CHECKING THE RESISTANCE OF YOUR IGNITION LEADS

To check the resistance of Top Gun ignition wires, you will require the use of a multimeter. Set the multimeter to the 20K ohm (= 20,000Ω) range and measure the resistance of the cable.

### Terminal to Terminal as shown



The results will be displayed in K ohms, which means that the actual resistance of the cable is the figure displayed multiplied by 1,000 ie. above reading equates to 1,470 ohms.

When measuring the resistance of your ignition wires, please allow for:

- 1) variation in lengths ie. longer ignition wires will have a higher resistance than shorter ignition wires.
- 2) + or - 20% variation in results, being manufacturing parameters

Top Gun manufacture a variety of ignition wire types, to suit various applications. The resistance and construction of the conductive core used can vary depending on the different cables.

The four main ranges are:

- 1) 5mm, 7mm & 8mm  
Spiral Wire  
Standard kits  
designed for  
General Passenger  
& Commercial  
Vehicle use



Resistance range:  
Approximately  
5,000 - 6,000 ohms  
per lineal metre

- 2) 5mm, 7mm & 8mm  
Spiral Wire  
MAX300 kits  
designed for  
Heavy Duty and  
hi performance use



Resistance range:  
Approximately  
400 - 600 ohms  
per lineal metre

- 3) 8.8mm & 10.0mm  
Spiral Wire  
Pro Racing Series  
designed for  
hi performance use  
(on & off the track)



Resistance range:  
Approximately  
2,000 - 3,000 ohms  
per lineal metre

- 4) 8mm Top Gun standard suppressed ignition wires, as found on loose lead merchandising racks (usually blue or grey in colour). Resistance range approx. 8,000 - 10,000 ohms per lineal metre. Please allow + or - 20% variation in results, being manufacturing parameters.

NB inaccurate results can come from a flat multimeter battery, and also from dirty multimeter probes.