

## Indentify motor cables when colour is unknown - 1 phase

If the colours of an individual drop cable cannot be indentifed, you can use an ohnmeter to measure the resistance to determine the lead colour and inturn the winding.

Measure:

Cable 1 to Cable 2 Cable 2 to Cable 3 Cable 3 to Cable 1

Measure the above cables and note the resistance readings and find the highest figure

The lead NOT used in the highest reading is the BROWN lead

Now, use the Brown lead and each of the other two leads to obtain anoher two readings:

Highest reading is the BLACK lead Lowest reading is the BLUE lead

	AUS	EURO
Main/Run Winding	Blue	Blue/Grey
Start/Aux Winding	White	Black
Common	Red	Brown

An example of ohmmeters radings:

Cable 1 to Cable 2 = 7 ohms Cable 2 to Cable 3 = 2 ohms Cable 3 to Cable 1 = 4.5 ohms

The lead used in the highest reading (7 ohms) was cable 3

Cable 3 is the BROWN lead

Now from the BROWN lead, the highest reading (4.5 ohms) was to Cable 1

Cable 1 is the BLACK lead

Now from the BROWN lead, the lowest reading (2 ohms) was to Cable 2

Cable 2 is the BLUE/GREY lead

Now knowing the colours, use the table above to identify the Main/Run, Start/Aux and Common cables.