

## **D1769 Screened Motor Cable**

The recent increase in the use of PWM drives operating with high speed switching circuits has raised the levels of RF (Radio Frequency) and EMI (Electro Magnetic Interference) emissions.

Westwind Air Bearings has introduced a multi strand tinned copper sheath around the phase wires on the D1769 spindles; when connected to ground at the drive this substantially reduces the amount of electrical noise induced by the drive..

Westwind Air Bearings recommends that the screen is connected to ground at the plug end only and the spindle end remains floating; by only connecting the screen at the plug end any emissions induced will be drawn away from the spindle to earth. This will also prevent the occurrence of “Earth Loops”, reducing the risk of induced interference to the analogue sensors within the spindle.

For further information, please contact [wwinfo@westwind-airbearings.com](mailto:wwinfo@westwind-airbearings.com)