

# SELF-IONISING

# 801 ANTI-STATIC TINSEL

Copper Anti-Static Tinsel is a traditional and effective method of neutralising static electricity.

It is used to neutralise sheets and webs throughout industry.

- > 801 Anti-Static Tinsel offers an effective solution to many static problems where electrical static eliminators cannot be justified.
- > Anti-Static Tinsel is a “passive” static eliminator which operates by concentrating the electric field to ionise the air.
- > 801 Tinsel reduces high charges to a low level and can cope with fast speeds. A 90% reduction in charge is typical in many applications. It is particularly suited to web applications like film winders and unwinders where the web path changes.
- > 801 Anti-Static Tinsel is available in boxes of 22m and 110m.
- > 801 Anti-Static Tinsel is 99% pure copper.
- > Dimensions: 32mm Diameter, with multiple copper wire core to ensure positive grounding and strength. The breaking strain is about 10kg.



## How it works:

When positioned a few millimetres above the material, the fine copper filaments concentrate the electric field of the static charge until the air ionises. Ionised air is conductive and allows the ion exchange which neutralises the charge.

When the Tinsel touches the material there is conduction of the charge to earth in addition to the ionisation. This increases the performance and is recommended wherever it is permitted for the Tinsel to touch the material.

