



## Why use Cen-Stat Cables?



- Anti-static properties prevent the build up of charge on the surface of an insulating material. Cen-Stat cables with anti-static Hytrel coating conform to ASTM D257-99.
- Spiral cable retracts when not in use (1:10 extension ratio) and has superior shape and flexibility retention: proven to hold its shape after at least 20,000 continuous extensions.
- Green, Orange or Blue cables with a single conductor feature a multi-stranded galvanised steel core conductor for superior mechanical strength and very low electrical resistance, meeting the requirements of Cenelec 50404 and NFPA 77.
- Blue cables with a pair of conductors feature multi-stranded copper conductors with double protective sheaths for superior mechanical strength and very low electrical resistance, meeting the requirements of Cenelec/TR 50404 and NFPA 77.
- Proven to have superior chemical and abrasion resistance. Tested against 174 different chemicals and resistant to hydrolysis.
- Suitable for use in all weather conditions and a wide range of ambient temperatures (-40° C to +80° C).
- Ideal for many different applications including chemical, petro-chemical, pharmaceutical, off-shore and other process industries.

## Designed in accordance with...

**CLC/TR 50404** (static control code of practice: Europe)

11.4.1 - Cables for earthing movable items should be equipped with a strong clamp capable of penetrating through paint or rust layers. Earthing devices.....should be robust.

11.2.2 - What is most important... is that all connections are reliable... and not subject to deterioration.

**NFPA77** (static control standard: USA)

6.4.1.4 - Where wire conductors are used, the minimum size of the bonding or grounding wire is dictated by mechanical strength, not by its current carrying capacity. Stranded or braided wires should be used for bonding wires that will be connected and disconnected frequently.

### Cen-Stat Earthing and Bonding Cables, available as follows:

|        |                       |   | Conductor Diameter | Outside Diameter of Cable (mm) |
|--------|-----------------------|---|--------------------|--------------------------------|
| Green  | 1 Core Spiral Cable   | 3, 5, 10 or 15 metres working length (extended)     | 4.0                | 7.0                            |
| Orange | 1 Core Spiral Cable   | 3, 5, 10 or 15 metres working length (extended)     | 4.0                | 7.0                            |
| Blue   | 1 Core Spiral Cable   | 5 or 10 metres working length (extended)            | 4.0                | 7.0                            |
| Blue   | 2 Core Spiral Cable   | 3, 5, 10, 15 or 30 metres working length (extended) | 2 x 1.0            | 8.0                            |
| Green  | 1 Core Straight Cable | Length prepared to order (maximum 500 metres)       | 4.0                | 7.0                            |
| Orange | 1 Core Straight Cable | Length prepared to order (maximum 500 metres)       | 4.0                | 7.0                            |
| Blue   | 1 Core Straight Cable | Length prepared to order (maximum 500 metres)       | 4.0                | 7.0                            |
| Blue   | 2 Core Straight Cable | Length prepared to order (maximum 500 metres)       | 2 x 1.0            | 8.0                            |

## Clamp and Cable Assemblies

Cen-Stat cables with a single conductor (1 Core) are normally supplied fitted with an ATEX & FM approved static earthing clamp from the Newson Gale range\* and a 10mm ring terminal (lug) at the free end. Other ring terminal options available from stock include 6mm, 8mm and 12mm along with 9.6mm (3/8") and 12.7mm (1/2") Stainless Steel Ring Terminals available at extra cost, which includes specialist fitting.

\* **Request Cen-Stat static earthing clamp brochure.**

Cen-Stat Blue cables with a pair of conductors (2 Core) are normally supplied as part of a Newson Gale Earth-Rite System, Bond-Rite or as a system accessory, fitted with an ATEX & FM approved static earthing clamp or suitable connector from the Newson Gale range.\*\*

Cen-Stat cables ordered without any clamps fitted are normally supplied with the free ends unterminated, unless specified otherwise. Ring terminals are available separately, if required.

Cen-Stat™ is a trademark of Newson Gale Ltd.

The Cen-Stat cables forms part of the Cen-Stat range of Static Grounding and Bonding Equipment available from Newson Gale



Leading the way in hazardous area static control

[www.newson-gale.com](http://www.newson-gale.com)

**Newson Gale Inc**  
460 Faraday Avenue  
Unit B, Suite 1  
Jackson, NJ 08527  
USA  
Tel: +1 732 961 7610  
Fax: +1 732 791 2182

**Newson Gale Ltd**  
Omega House  
Private Road 8  
Colwick, Nottingham  
NG4 2JX, UK  
Tel: +44 (0)115 940 7500  
Fax: +44 (0)115 940 7501

Sales: Malux Finland Oy, P.O.Box 69, FI-06151 Porvoo, Phone +358 19 574 5700, Fax +358 19 574 5750, info@malux.fi, www.malux.fi