

Cen-Stat™ Cables

Hytrel® anti-static cable for use with FM & ATEX Certified Static Grounding Clamps

Newson Gale FM and ATEX Certified Clamps and Cen-Stat anti-static Hytrel coated cables are designed to enable hazardous area operators to achieve an effective static ground connection to portable / mobile items of plant, in order to safely dissipate static electricity.

Cen-Stat cables feature multi-stranded conductors for superior mechanical strength and anti-static Hytrel coating for optimum chemical and abrasion resistance.

All Newson Gale static grounding clamps and Cen-Stat cables may be supplied as fitted or purchased separately for self-assembly.

Cen-Stat cables are available in spiral form, with lengths ranging from 10ft to 50ft extension and straight form in any length up to 1600ft.



Available in retractable lengths of 10, 16, 32 & 50ft (extended).

They are coloured orange for North America coding, green for European or blue for use with Intrinsically Safe monitoring devices, in accordance with IEC60446.

The blue cables are generally supplied with a pair of conductors to provide a grounding and monitoring loop, but are also available with a single conductor for monitoring an item that is already grounded.



X90 Stainless Steel Static Grounding Clamp with 16ft (5m) (extended) retractable cable.

Ordering Code: VESX90/G03-U



X45 Stainless Steel Static Grounding Clamp with 10ft (3m) (extended) retractable cable.

Ordering Code: VESX45/G09-U



Bond-Rite EZ with 16ft (5m) of 2 conductor retractable cable.

Ordering Code: BREZ05/IPX90

Newson Gale | For over 25 years Newson Gale has been supplying the chemical and processing industry worldwide with its market leading range of static control products ensuring people and plant are protected from static related fires and explosions.



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.
- Orange, green 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 Grounding and Bonding Cables, available as follows:

			Conductor Diameter	Outside Diameter of Cable (mm)
Orange	1 Core Spiral Cable	10, 16, 32 & 50ft working length (extended)	4.0	7.0
Green	1 Core Spiral Cable	10, 16, 32 & 50ft working length (extended)	4.0	7.0
Blue	1 Core Spiral Cable	16 & 32ft working length (extended)	4.0	7.0
Blue	2 Core Spiral Cable	10, 16, 32 & 50ft working length (extended)	2 x 1.0	8.0
Orange	1 Core Straight Cable	Length prepared to order (maximum 1600ft)	4.0	7.0
Green	1 Core Straight Cable	Length prepared to order (maximum 1600ft)	4.0	7.0
Blue	1 Core Straight Cable	Length prepared to order (maximum 1600ft)	4.0	7.0
Blue	2 Core Straight Cable	Length prepared to order (maximum 1600ft)	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 grounding 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 grounding 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 a FM and ATEX approved static grounding 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

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