



Spiral ground cable Ex



Applications

Earthing and potential equalisation of metal objects, barrels with a capacity of 205 litres to large metal containers and IBCs.

Potential equalisation

Prevention of electrostatic charges as an ignition source

In many cases electrostatic charging is immediately connected with industrial processes, e.g. refilling, draining or filling. It can cause faults and damage, and can trigger fires and explosions. The decisive factor during the assessment of hazards from electrostatic charging is the likelihood of the local and chronological coinciding of explosive atmosphere and dangerously high static charge.

Such a coincidence is most likely if the handling of a product leads to a dangerously high static charge as well as the formation of an explosive atmosphere. This especially concerns the handling of flammable liquids, such as hydrocarbons or other apolar solvents, or of non-conductive flammable bulk goods. Examples of fire and explosions caused by static electricity as a source of ignition range from the filling of a plastic bucket with toluene to the pneumatic filling of a large silo with flammable bulk goods. Further typical examples of accidents are the filling of dryers with product that is damp with solvent, the emptying of centrifuges as well as the emptying of flammable bulk goods from flexible bulk goods containers.

Item no.	Description
172900	Single-pole heavy-duty stainless steel earthing clip, with 2 tungsten carbide teeth, 5 m, 1 × 4 mm ² , yellow-green, second end with cable socket
172901	Two single-pole heavy-duty stainless steel earthing clips, with 2 tungsten carbide teeth, 5 m, 1 × 4 mm ² , yellow-green,

Description

For mobile potential equalisation (earth connection), this very special earthing spiral cable was developed. A fine-wired earthing flex (yellow/green) is loosely guided in a transparent polyurethane hose. The requirements for this product are fulfilment of the highest safety requirements and operational readiness under extreme circumstances.

Technical Data

Clip material:	Stainless steel (55304)
Clip tips:	2 tungsten carbide tips
Max. opening width:	ca. 30 mm
Sheath colour:	yellow-green
Cable:	Cen-Stat spiral cable with galvanised steel braided wires as well as green, electrostatically conductive Hytrel coating with UV protection, highly durable, resistant to chemicals and UV, max. 5 m length (extension factor 1:10)
Conductor diameter:	Conductor cross-section 4 mm ² (approx. 11 AWG) with Cen-Stat coating, 6 mm diameter
Cable socket:	Hole diameter 10 mm
Temperature range:	-40° C to +60° C
Explosion-proof according to:	13463-1 : 2009
Labelling in accordance	Ex II 1 GD T6
FM certification number:	3046346
ATEX certification number:	Sira 02ATEX9381

Application areas

Regulation, measurement, control and laboratory technology/chemical industry/medicinal and electronic technology/automotive industry/apparatus construction/pneumatics and hydraulics/foodstuffs industry.