

Protective conductor guard

The effective solution against theft, vandalism & damage



The Furse range of highly effective high impact PVC protective conductor guards are specifically designed to deter vandal damage and the removal of valuable conductor from lightning protection installations.



Lightning protection systems are now installed on almost every new commercial building constructed today. Each installation includes a number of metallic down conductors, which form the vital path from the air termination to earth termination system.

Removal of a conductor would reduce the effectiveness of the lightning protection system and potentially place the building, and people within, at risk from dangerous lightning energy. However, at ground level down conductors can often be a soft target for metal theft, opportunistic crime and vandalism unless adequately protected.

The Furse PVC protective conductor guard has been designed to provide an effective and economical deterrent to this risk. With its high impact, durable construction supplied in 3 metre lengths, the Furse conductor guard delivers protection well beyond the immediate reach of metal thieves.

Quick and easy to install, with a low profile, the range is suitable for 25 x 3 mm flat tape, Ø 8 mm solid circular conductor or 50 mm² stranded cable (Bare and PVC covered) and is available in a variety of colours to complement a building's exterior.

Features & benefits

- Suitable for 25 x 3 mm flat tape, Ø 8 mm solid circular conductor or 50 mm² stranded cable (Bare & PVC covered)
- Manufactured from high impact grade of PVC
- UV stabilised to reduce colour degradation
- Lightweight and easy to handle
- Simple installation using security screws
- Suitable for internal and external applications, at a wide range of temperatures (-10 °C to +80 °C)



PVC protective down conductor guard

Part no.	Order code	Length (mm)	Weight per metre (kg)	Colour range
GC205	7TCA083870R0780	3,000	2.27	Black
GC215	7TCA083870R0781	3,000	2.27	Grey
GC220	7TCA083870R0782	3,000	2.27	Stone
GC225	7TCA083870R0783	3,000	2.27	White
GC230	7TCA083870R0784	3,000	2.27	Brown



Protects against vandalism and opportunistic theft.

High impact PVC, UV stabilized to reduce colour degradation.

Suitable to protect bare and PVC covered 25 x 3 mm flat tape, Ø 8 mm solid circular and 50 mm² stranded cable.

Can be fixed using roundhead wood screws (Part no. SW405) and wall plugs (PS305).

Note: Conductor guard supplied unbranded.

Installation guide

Conductor guard installation is primarily used from ground level to 3 m height to deter potential theft of valuable conductor. For effective installation:

- i. Check the conductor is straight, flat and free from fixings and fittings for the total length of the conductor guard
- ii. Align the guard over the conductor, making sure that the guard covers the conductor along its entire length
- iii. Where installing on to brick, masonry or concrete, drill holes to suit wall plugs for No. 10 screws. Where installing on to metallic surfaces, recommend drill or drill and tap to suit M5 fixings
- iv. Securely fix the guard to the internal or external building materials. It is recommended that 30 No. 10 x 11/2" security screws (pan, round or button head) are used

For maximum security the conductor guard should be fixed by 30 screws (the guard includes 15 pre-punched holes per side). The conductor guard can be re-drilled using a 5.5 mm drill bit if necessary where a pre-punched hole resides over an unsuitable material (e.g. brick mortar, etc.).

Dimensions

