

EVC SHIELD

The cable guard is an anti-theft system designed for electric vehicle (EV) charging cables. It consists of flexible, ultra-hardened steel wires encased in a protective outer shell. Available with or without a pressurized dye cartridge (blue dye system) for additional deterrent effect. The cable guard allows full range of motion for the cable, adds minimal weight, and provides robust 360-degree protection against cutting, making it impractical to steal charging cables.



Technical Specifications

Materials:

- Stainless steel cable 3x12 (8–10 times stronger than standard steel wire)
- Stainless steel cable 6x32 (8–10 times stronger than standard steel wire)

Outer Shell:

- UV and weather-resistant with dual-direction zipper that locks in place.

Operating Temperature Range:

- -40°C to 125°C

Available Cable Guard Lengths:

- Universal 460 cm to 520 cm (custom lengths available upon request).
- Designed to cover the full length of the charging cable.

Weight per Meter:

- 0.6 kg/m

Operating Temperature Range:

- -40°C to 100°C

Compatible Charging Stations:

- Level 2 chargers and Level 3 DC fast chargers

Note: Compatible with cable management systems due to split shell design.

Installation Method

- Wrap and secure the application
- The steel frame is fastened around the cable using pre-attached steel straps
- Outer protective shell is applied to encase the steel frame
- Locking to the beginning of the cable with break bolt, stainless steel to the end of the cable towards the handle.

Installation Time:

- Approximately 30 minutes per cable

Customization Options

- Outer Shell Colors: Standard in black; other colors available on request
- Pressurized Dye Tube: Optional feature (see below)

Cut Resistance

- 32-inch cable cutter test: Passed
- 2-minute sawing test: Passed
- Resists cutting attempts from various tools, including jigsaws and bolt cutters.

Flexibility

- Maintains cable flexibility with minimal added stiffness

Warranty

- 2-year warranty covering product defects

Made in Finland



Optional Add-on: Pressurized Dye Tube

Overview:

This tube adds an extra deterrent layer to the EVC Shield. It contains a pressurized dye chamber that releases blue dye when punctured, making the cable visibly marked and less attractive to thieves.

- Includes bright yellow warning tags to increase the chance thieves abandon the attempt.
- Provides a way to visually identify attempted tampering.

Material:

- Dunlop Hiflex 122 Greenline Plus max, 200bar ISO 1436-1 EN 853 1 SN

Dye Composition:

- 50% water/ 50% alcohol, contains less than 1% food-grade blue dye.

Activation Mechanism:

- Releases pressurized dye (8bar) when punctured by a cutting tool

Dye Volume:

- 30 ml/m (e.g., 60 ml total dye in a 2-meter cable)

Installation Method:

- Is placed over the cable protection with metal strips before the outer bag is placed on.

Length Options:

- Available in 2m lengths.

Visual Deterrent / Bright yellow warning tags with text:

"WARNING Do Not Cut: Cable is Protected And Pressurized"

ETT SKYDD BRAND OCH SÄKERHET SVERIGE AB

Badstrandsvägen 3 • SE-112 65 Stockholm • Sweden • Phone: +46 8 522 775 77

Kim Kuivamäki Phone direct: +46 704 485 989

E-mail: kim@ettskydd.se

Ett Skydd Brand och Säkerhet AB is a subsidiary of S&A Brandfokus AB – a leading player in fire safety.