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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:

- 8 x ultra hardened stainless steel cables
- Stainless steel straps
- Stainless steel sheets
- 3-D printed polymer insert
- Custom-designed protective insert positioned underneth the charging connector

Outer Shell:

- UV and weather-resistant with dual-direction zipper that locks in place
- Polyester 600D PU

Available Cable Guard Lengths:

- Custom lengths available upon request.
- Designed to cover the full length of the charging cable

Weight per Meter:

- 0.45 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.

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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, plastic to the end of the cable towards the handle

Installation Time:

- Approximately 20-30 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





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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”



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Made in Finland CE

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