

***Protect your vineyard,  
safeguard your harvest***



**DATAMARS  
*Livestock***<sup>™</sup>

DATAMARS  
***Livestock***<sup>™</sup>

*Choose smart protection, choose the  
peace of mind of a safe harvest.*



With the arrival of spring, vineyards come back to life and winegrowers face new challenges. In addition to the usual problems with insects and fungal diseases, an increasing threat today is posed by wild animals such as wild boar, deer, fallow deer and others.

These ungulates, attracted by spring shoots and ripe summer fruits, cause significant damage that can irreparably compromise crop productivity. In particular, the spread of wild boars is continually expanding.

Strategies to counter this threat are numerous and varied: from natural remedies and sound deterrents to more drastic methods such as hunting or the use of natural predators. However, electric fencing remains the most reliable, effective, and sustainable solution available.

Our state-of-the-art electric fences are the ideal way to protect vineyards while ensuring safety for people and protecting animal welfare.

Manufactured with top-quality materials and robust, reliable power systems, Speedrite fences offer solutions that are easy to install and manage, providing constant and safe protection by means of intense, harmless electric impulses that fully comply with current European legislation.

***By relying on our experience, you can prevent damage and economic losses resulting from attacks by wild animals, ensuring the quality and profitability of your vineyard.***

ELECTRIC FENCING FOR VINES:

# ***EFFECTIVE SOLUTIONS FOR THEIR PROTECTION***

***Electric fences are an effective solution for preserving and protecting vineyards by limiting the access of wild boar, deer and other wild animals.***

Although deer can jump very high, a 150 cm high fence is generally sufficient to prevent the entry of animals approaching to graze.

In fact, camera observations have shown that these animals rarely try to climb over the barrier; most often they try to cross it instead.

***For this reason, the short distance between the electrified wires is more important than the overall height of the structure.***

**DATAMARS**  
***Livestock***<sup>TM</sup>

*To effectively combat damage caused by wild animals, you can choose between two different types of fence:*

**1**

## ***PERMANENT***

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- ✓ *Always active, it guarantees continuous and reliable deterrence.*
- ✓ *Economical in the long term thanks to the strength and durability of the materials.*
- ✓ *Valid alternative to non-electrified fences in areas subject to landscape constraints.*

**2**

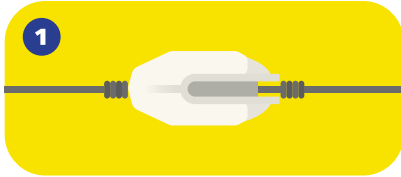
## ***MOBILE / SEMI-PERMANENT***

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- ✓ *Quick and easy to install, also ideal for areas that are difficult to access.*
- ✓ *Extremely versatile, adaptable to areas with different profiles and perimeters.*
- ✓ *Optimal solution where permanent structures are not possible.*

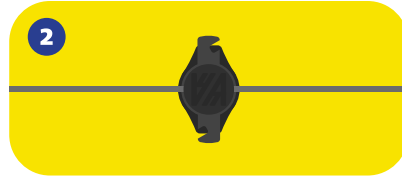
# Permanent Electric Fence

With 6 zinc-aluminium steel wires; 1 12 mm tape and wooden posts



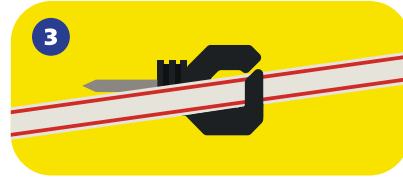
**HEAD INSULATORS**

880 0013-381 / 880 0013-408 / 880 0013-382 /  
880 0013-409



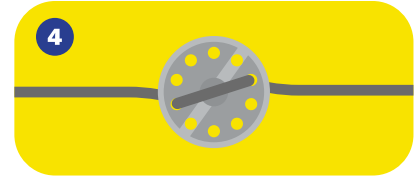
**LINE INSULATORS X  
ZINC-ALUMINIUM**

880 0013-107 / 880 0013-108



**LINE INSULATORS X TAPE**

880 0013-004



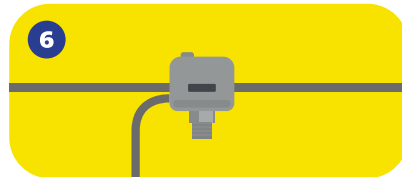
**TENDER**

880 0013-155



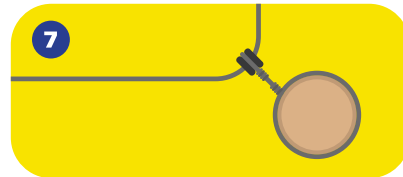
**COMPENSATION SPRING**

880 0013-371



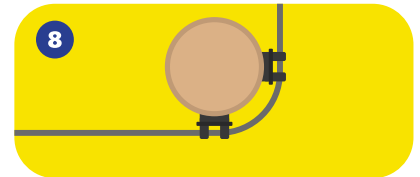
**CONNECTOR CLAMP**

880 0013-122



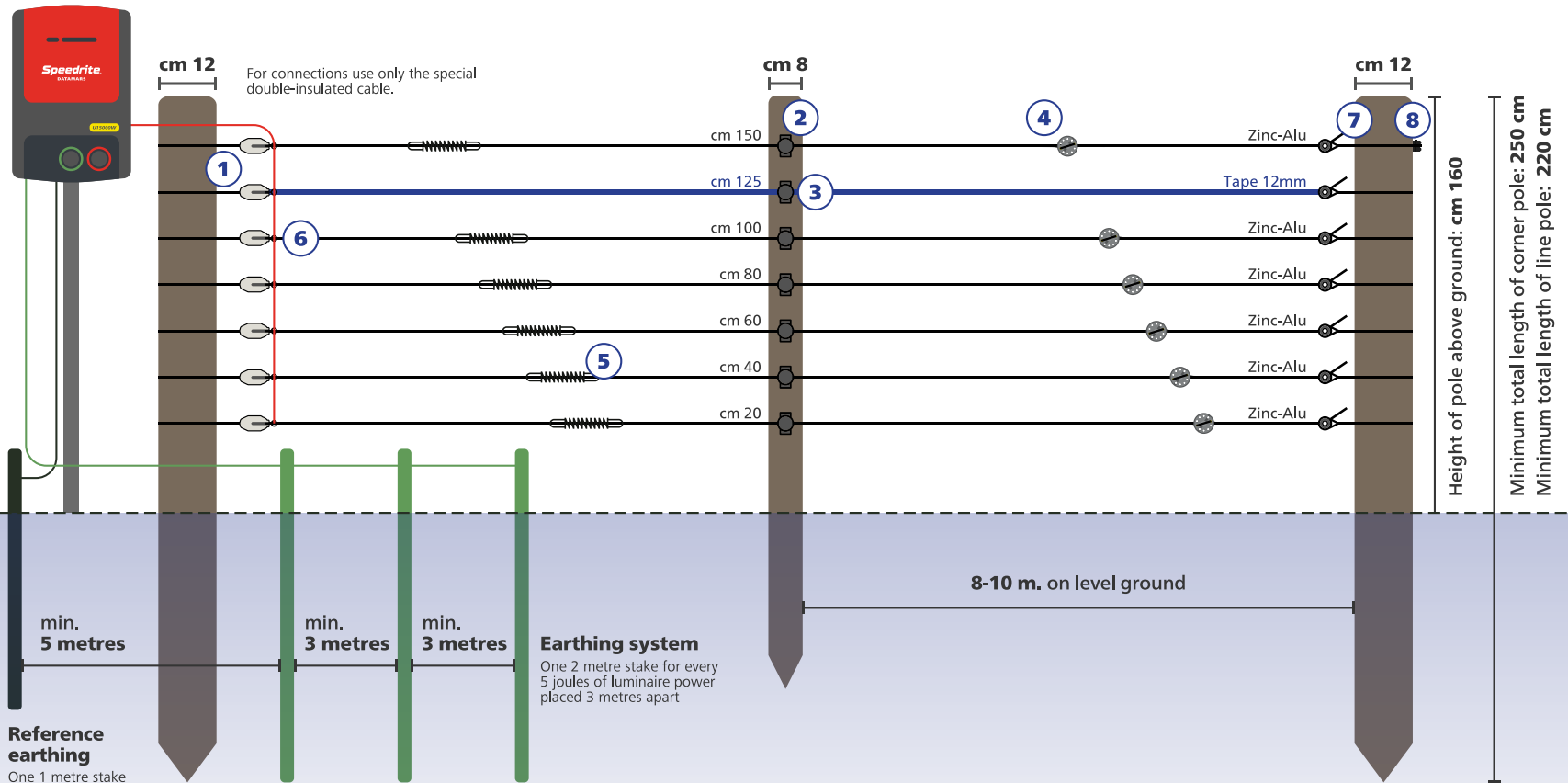
For corners with wire on the inside use  
**PORCELAIN INSULATOR**

880 0013-100



For corners with wire on the outside use  
**MOSCHETTONE INSULATOR**

800 0013-107 / 880 0013-108



# PERMANENT FENCING

The proposed fence is 150 cm high and consists of 6 high-strength zinc-aluminium steel wires Ø 2.5 mm and a 12 mm UV-resistant polyethylene tape.

The wires are positioned at 20, 40, 60, 80, 100 and 150 cm from the ground. The tape is positioned at 125 cm. If there is strong animal pressure, the number of wires can be increased (e.g. 15, 30, 45 and 60 cm above the ground) to create a more efficient barrier.

At the beginning and end of each section, as well as at sharp angles (over 30°), posts of at least 12 cm in

diameter and 250 cm in height are recommended. If necessary, they can be reinforced with bracing.

Intermediate poles must also be well fixed, but since they are not subjected to strong pulls, they can be smaller in diameter and height.

T-piles, metal bars or other types of poles can also be used. The distance between the posts is approximately 8-10 metres, but can vary depending on the terrain: it can be increased on even ground and reduced on very undulating terrain.



Product code:

**880 0013-495**

**7 YEARS WARRANTY**

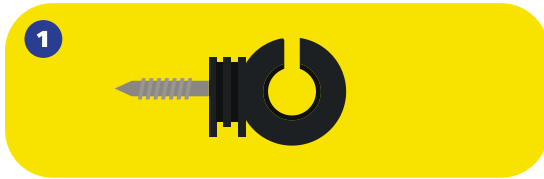
## RECOMMENDED ENERGIZER FOR PERMANENT FENCING

**U15000W** - Suitable for fences up to 80 km in length, with a maximum output energy of 15 J (18 J stored energy).

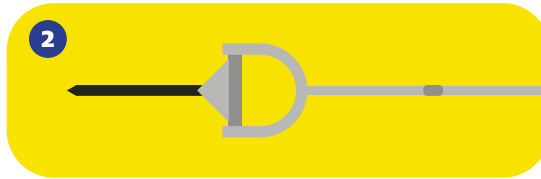
Thanks to **Cyclic Wave™** technology, it delivers an enhanced pulse with greater range and efficiency than standard devices of equal power, ensuring efficiency and safety in any situation. Can be powered by electricity, battery or solar panels, for maximum installation versatility. Can be remotely controlled by remote control.

# Mobile / Semi-permanent Electric Fence

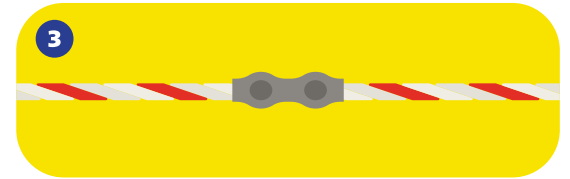
With 5 wires and 1 x 12 mm polyethylene tape; wooden posts and fibreglass stakes



**RING INSULATOR**  
880 0013-363 / 880 0013-003



**PICKET WITH BRACKET**  
880 0013-018

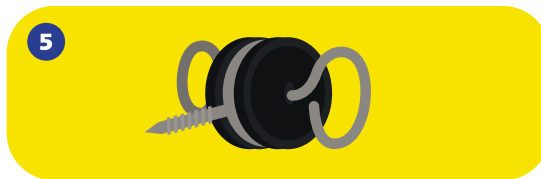


**CONNECTORS FOR 6 MM WIRE**  
880 0013-183

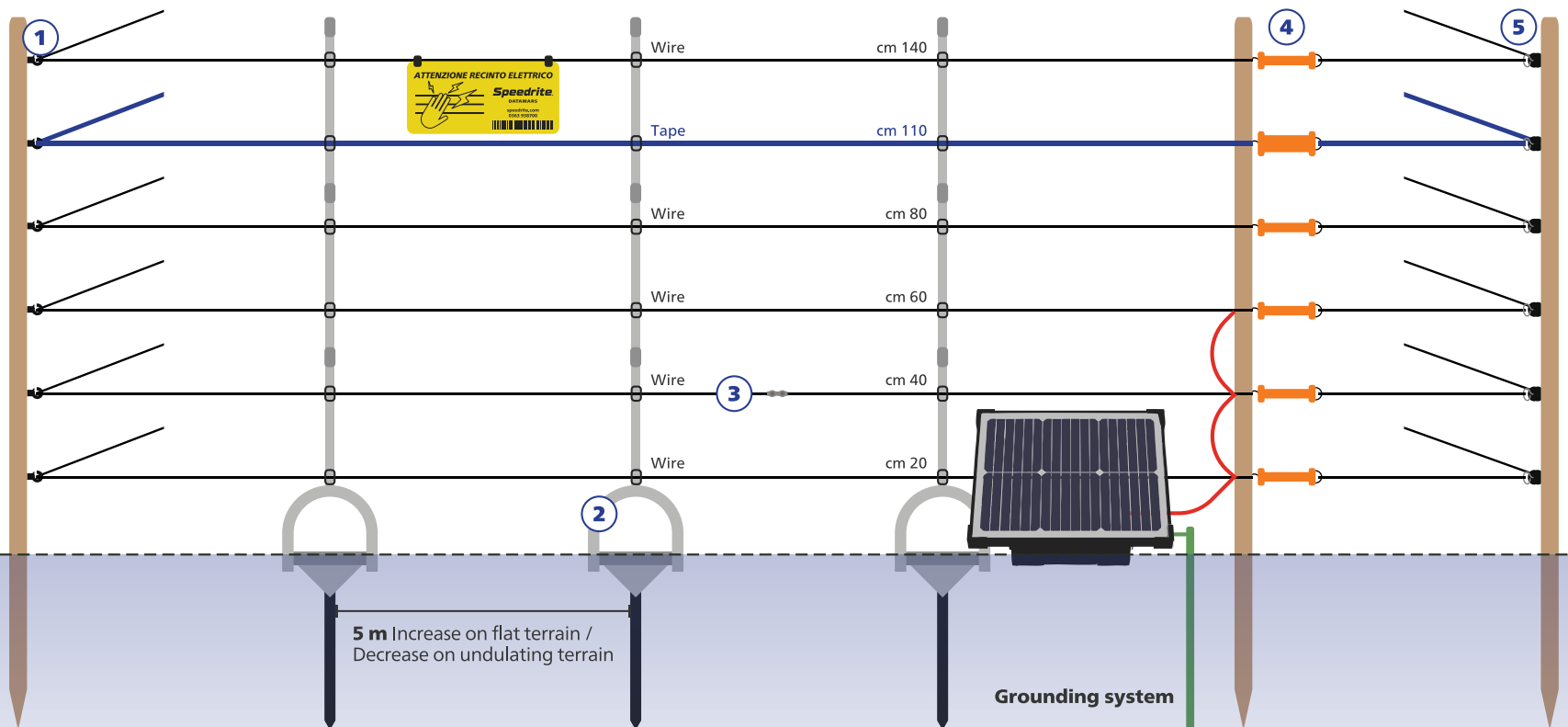
**CONNECTORS FOR 3MM WIRE**  
880 0013-385



**ANCHOR FOR HANDLE**  
880 0013-088



**GATE WITH SPRING**  
880 0013-373



# **MOBILE / SEMI-PERMANENT FENCING**

The proposed fence has a height of 140 cm and is composed of 5 Extreme conductive wires (polyethylene intertwined with steel and copper wires) Ø 3 mm positioned at 20, 40, 60, 80 and 140 cm from the ground and a 12 mm UV-resistant polyethylene tape for increased visibility positioned at 110 cm from the ground. To ensure the tension of the wires, wooden poles are used at the ends of the sections and in

the corners. The intermediate poles can be made of fibreglass, plastic, metal or wood. The use of plastic or fibre is recommended to avoid short circuits that reduce the tension of the fence. The materials used are light and easy to handle. The distance between posts is approximately 5 metres, but can vary depending on the terrain: it can be increased on flat terrain and reduced on undulating terrain.



*Product code:*  
**880 0004-843**

**7 YEARS WARRANTY**

## **RECOMMENDED ENERGIZER FOR FENCING MOBILE/SEMI- PERMANENT:**

**S2000** - For fences up to 20 km with a maximum energy output of 2.0 J (charged energy 2.60 J). Equipped with integrated 28 W solar panel and internal 12 V (18 Ah) battery, it guarantees high performance with minimal solar exposure. Robust design, high output voltage, versatile mounting on wooden or steel poles. Allows selection of different operating levels and times to optimise energy consumption and performance. Equipped with a clear LED bar graph that allows you to assess at a glance the correct functioning of the system.

***Choice of energizer***

***the heart of the system***



The energizer is the central component of the electric fence; its choice directly influences the effectiveness of the system. For remote fences, 12V battery-powered electrifiers, with possible integration of solar panels or fully solar electrifiers, are ideal, while for areas close to the electricity grid, 220V-powered devices are preferable.

The power of the energizer is crucial: more powerful ones guarantee better performance and less maintenance, especially for extended fences.

For very long fences, the use of a single powerful electrifier is preferable to the use of several less powerful devices. This solution is more effective, simplifies maintenance and facilitates monitoring of the fence.

It is also important to choose effective devices in the presence of vegetation and dry soil. Finally, certain factors affect the ability of the electrical impulse to reach greater distances.

These include the conductivity of the wires used, which allows for greater diffusion of the impulse, the number of wires that make up the fence, and the presence of vegetation, which, if reduced, guarantees less dispersion and greater overall efficiency of the system. Speedrite offers a wide range of energizers to meet every type of need, from small mobile installations to large permanent fences, always guaranteeing quality, high performance and reliability.



# ***DID YOU KNOW THAT?***

## ***REEL***

The reel is very useful for rolling out and rewinding the line. It can hold up to a kilometer of line (depending on the diameter) and is easily attached to the end posts.

There are reels with a 3:1 ratio (one rotation of the crank is equivalent to three turns of the drum), which allow for rapid rewinding.



## ***EARTHING PICKETS***

Each energizer must have its own earthing system. Standard practice recommends one picket per 5 Joules of energizer power (e.g. 3 Joules = 1 picket, 9 Joules = 2 pickets).

It is recommended to use 2-meter long galvanized pickets for permanent fences and at least 1 meter for mobile/semi-permanent ones. Pickets must be galvanized to ensure long life and good electrical conductivity.



## **WARNING SIGN**

It is mandatory. The law, although not specifying quantities and distances, establishes that it must be installed near gates and more frequently in areas accessible to the public.

It is recommended to place at least one every 100 meters.



## **ELECTRIC FENCE TESTER**

The electrical impulse generated by the energizer has a voltage of several thousand volts and lasts less than a thousandth of a second. For this reason, normal electrician testers are unable to detect it.

Speedrite testers allow an accurate reading of the voltage, essential for evaluating the effectiveness of the System and for troubleshooting.



***SPEEDRITE:  
GUARANTEED PROTECTION FOR  
EXCELLENT VINEYARDS.***

Choosing electric fences means protecting your vineyard safely and reliably, enhancing the quality of the harvest and respecting the environment. Trust in the innovative technology and experience of Speedrite for an effective and long-lasting solution against any threat.





DATAMARS  
***Livestock***<sup>TM</sup>



Join our community on  
Instagram

 [marketing.eu@datamars.com](mailto:marketing.eu@datamars.com)

 [livestock.datamars.com](http://livestock.datamars.com)