

ELECTRO  **BRAID**TM
FENCE Patented

Customer Catalog



1 855 EB FENCE

**WHY
ELECTROBRAID?**

**HOW TO
DESIGN FENCE**

**FENCE
COMPONENTS**

**COST
COMPARISON**

**FREQUENTLY
ASKED QUESTIONS**

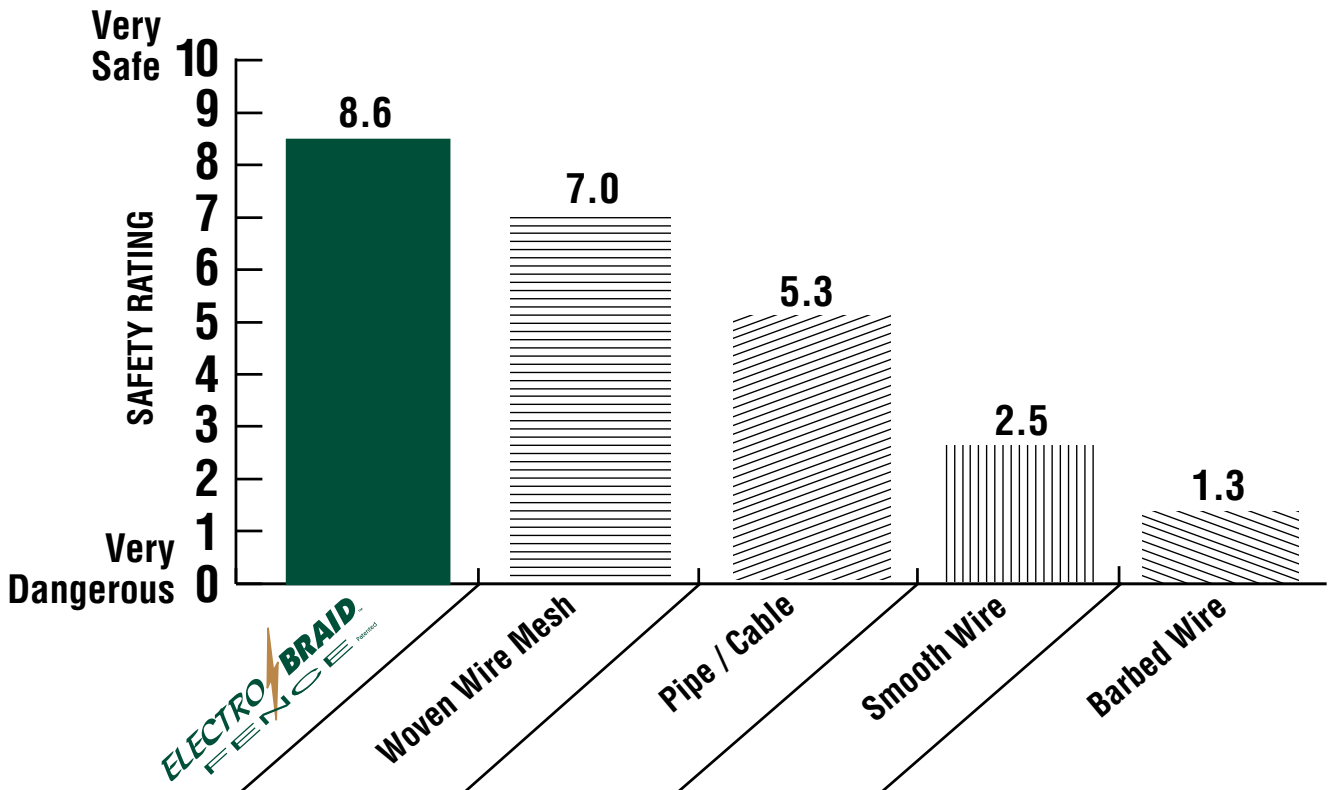
**SUPPORT &
WARRANTY**

Why ElectroBraid?

ELECTROBRAID
FENCE Patented **is SAFE.**

- Equine vets recommend ElectroBraid®
- Highly visible, smooth, braided yacht-like rope
- Resilient when struck by a panicked horse, similar to the ropes in a boxing ring

American Association of Equine Veterinary Practitioners Survey



ELECTROBRAID FENCE Patented **is SECURE.**

- Takes 1200 pounds to break a strand of ElectroBraid
- ElectroBraid's UV resistant polyester fiber meets the high standards established for seatbelts and parachute harnesses



ELECTROBRAID FENCE Patented **is SIMPLE.**

- No special tools required
- Low maintenance
- Easy to install



ELECTRO **BRAID**™ **FENCE** Patented

WHY
ELECTROBRAID?

- **Braided Jacket**
- **Highly Conductive Pure Copper**
- **Double Helix Construction**
- **UV Resistant**
- **Polyester Fiber Jacket**



VS.

1/4" Electric Fence Rope

- **Poor Stainless Steel Conductivity**
- **Twisted Polyethylene**
- **Breaks Down Under Sunlight**
- **Unwinds Under Tension**

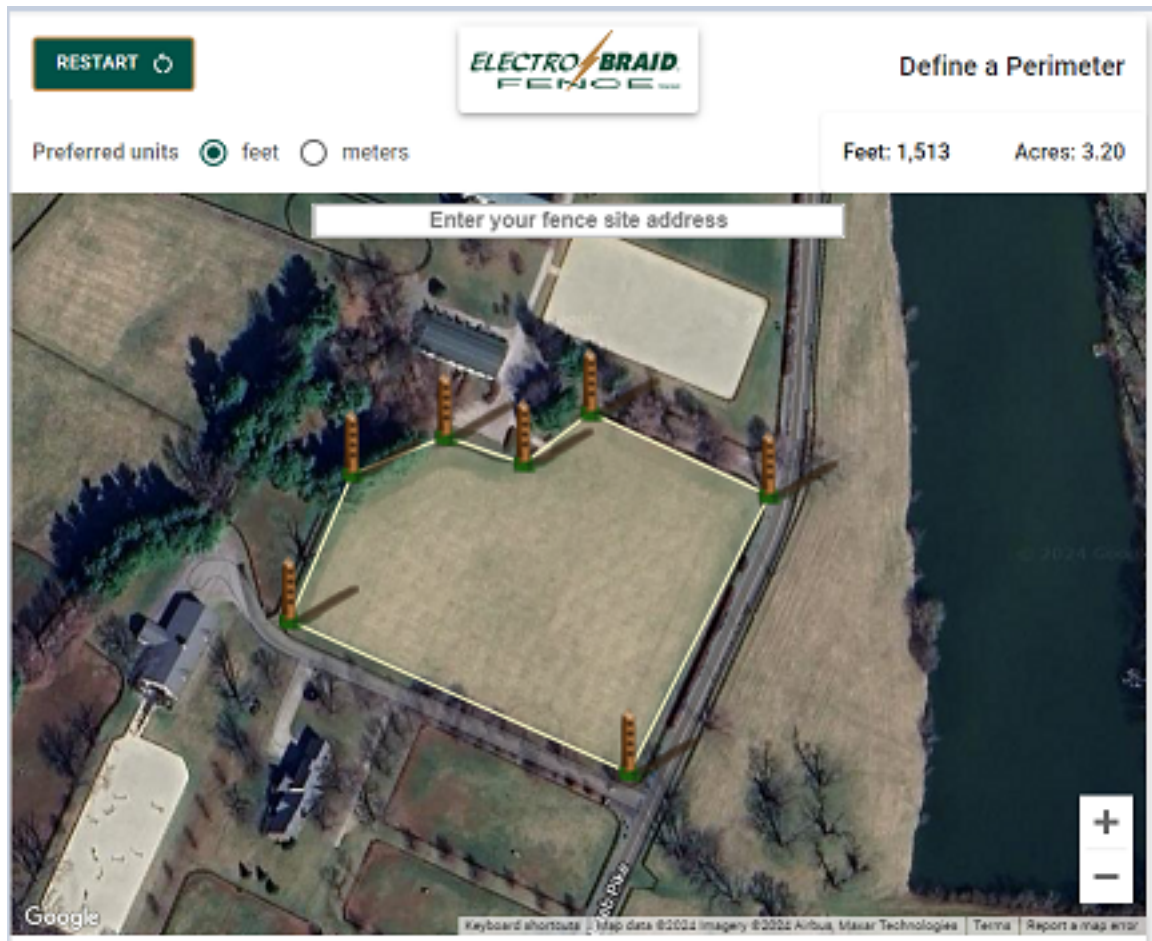


Why ElectroBraid?

FEATURE	ELECTROBRAID®	1/4" Electric Fence Rope
STRETCH	Tension Tight, Stays Tight	Stretches, Unravels, Sags
UV RESISTANCE	Excellent – 25 Years (5-8x life)	Poor (3-5) Years
CONDUCTIVITY	Excellent (Copper)	Poor (Stainless Steel)
CONSTRUCTION	Braided – Strength Under Tension	Twisted – Unwinds Under Tension
WARRANTY	25 Years	3 - 5 Years
YEARLY LIFETIME COST PER FOOT / YEAR	1¢	?¢

It is **SIMPLE** to design with our online **Fence Estimator**

<https://www.electrobraid.com/calc>



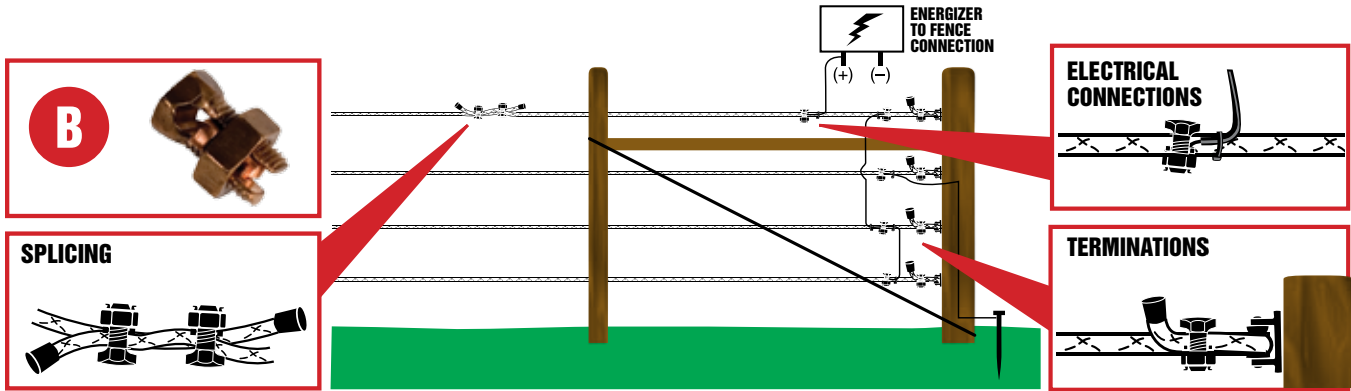
HOW TO
DESIGN FENCE

Fence Components



FENCE
COMPONENTS

Copper Split Bolt Connectors



FENCE COMPONENTS



DESCRIPTION

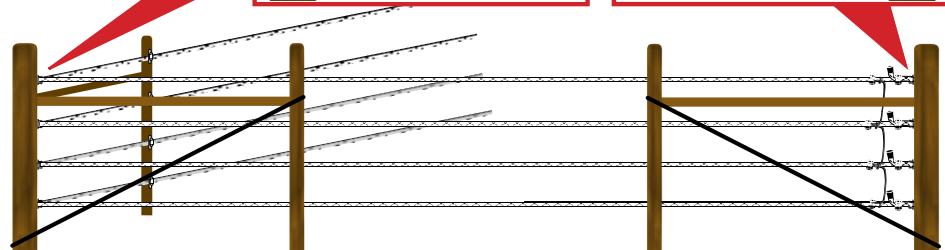
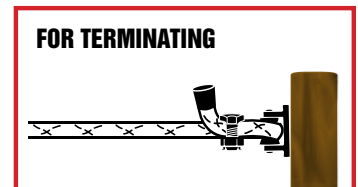
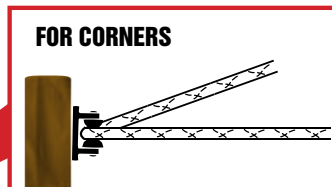
- Copper Split Bolt, 10/bag
- Splicing
 - Terminations
 - Electrical Connections



Always use Copper Lead-out Wire **H** for electrical connections.



Roller Insulators



CB Black



DESCRIPTION

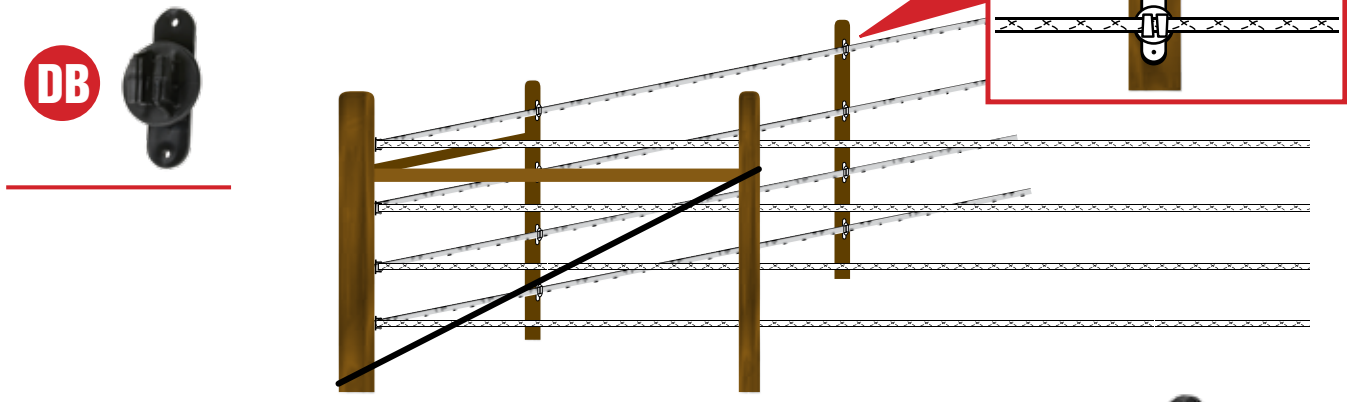
Roller Insulator
Black, 10/bag



To fasten line roller insulators, use



Line Post Insulators



DB



DB Black



DESCRIPTION

Line Post Insulator, Black
20/bag



To fasten line post insulators, use **G1**



FENCE COMPONENTS

H/D Screws



G1 1" H/D Screws

G2 2.5" H/D Screws

DESCRIPTION

1 in. H/D Screw (50/bag)
Use to fasten Line Post Insulators **DB**

2.5 in. H/D Screw (50/bag)
Use to fasten Roller Insulators

G2

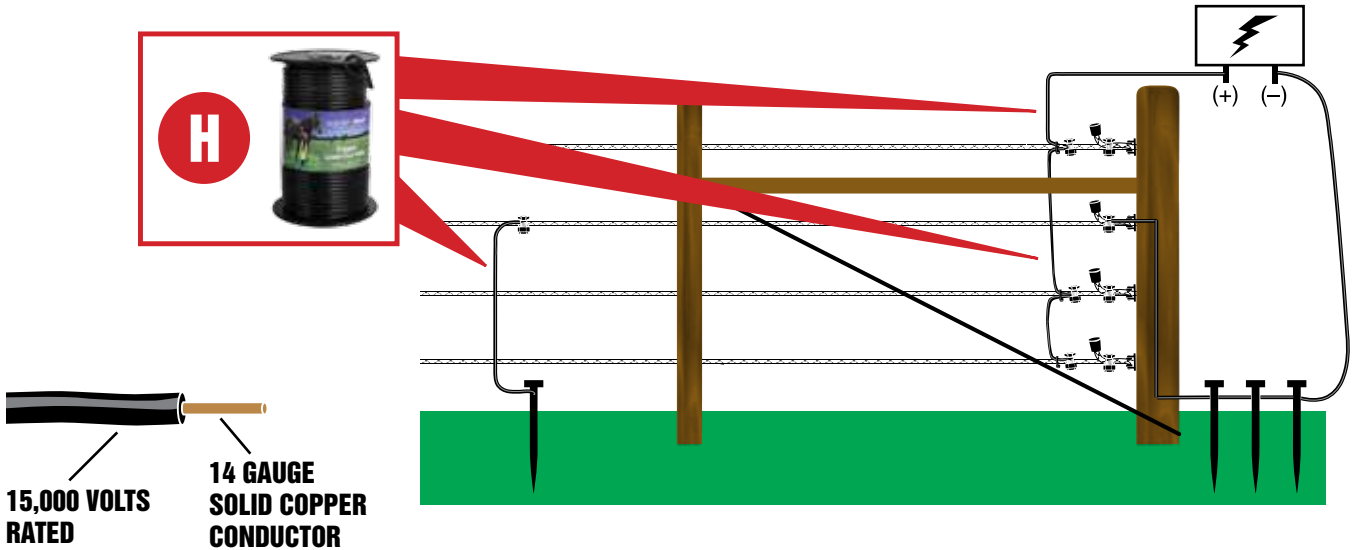


G1



CB

Copper Lead-Out Wire

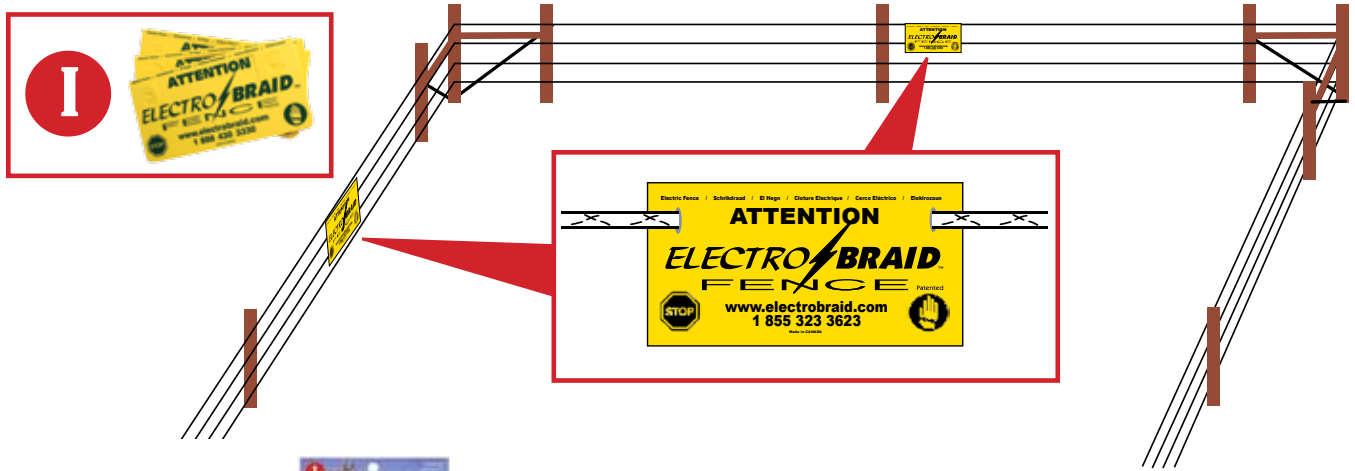


DESCRIPTION

Copper Lead-Out Wire, 250 ft.
14 Gauge Solid Copper, Rated 15kv

FENCE COMPONENTS

Warning Signs



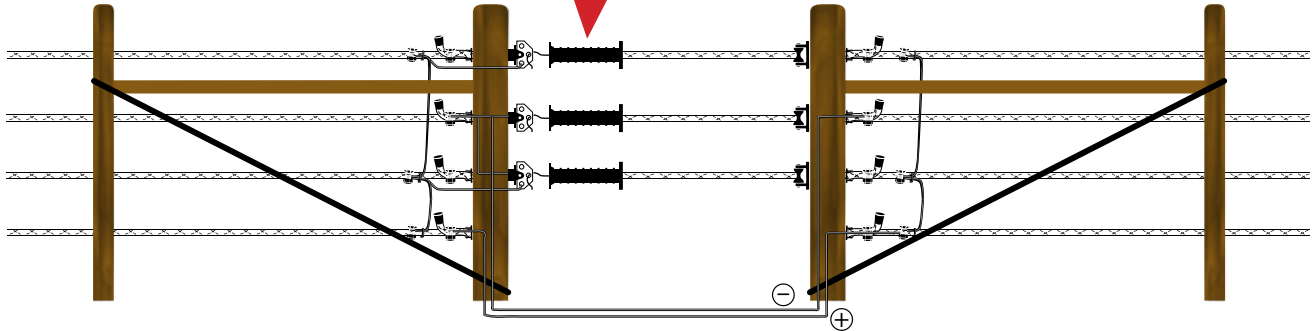
DESCRIPTION

Warning Signs
3/bag

NOTE: Check local codes for posting requirements of Warning Signs.



Gate Kit



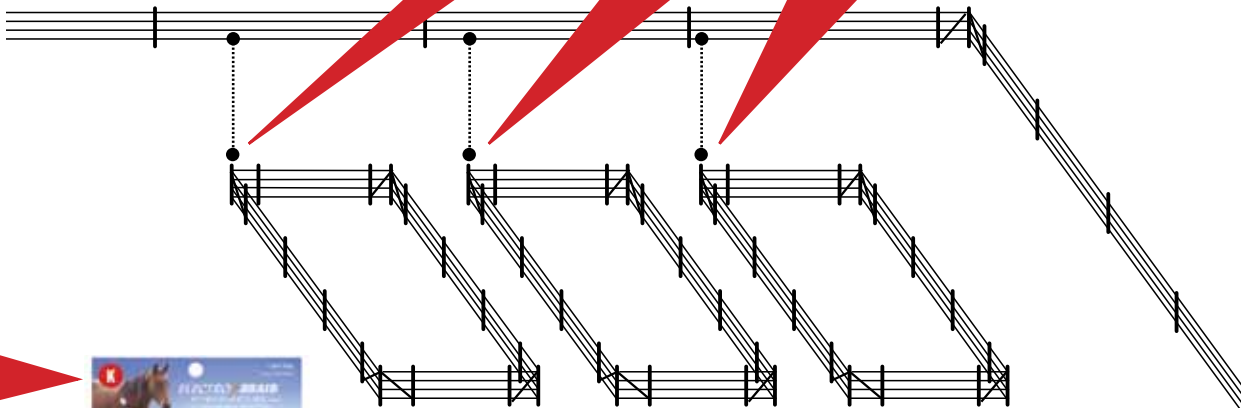
DESCRIPTION

Gate Kit
(Handle, Activator Anchor,
2 Copper Split Bolts,
Roller Insulator)



FENCE
COMPONENTS

Cut-Off Switch



DESCRIPTION

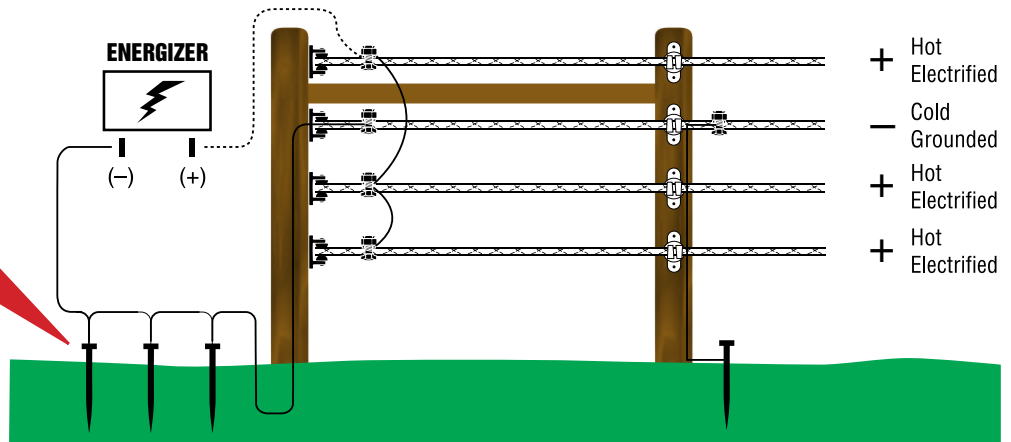
Cut-Off Switch, 1/bag



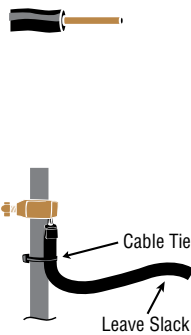
No more trips to the barn
to turn off the energizer!



Ground Rod Kits (not currently available)



N4 4 ft.
OR
N6 6 ft.



DESCRIPTION

Ground Rod Kit – 4 ft.
Ground Rod Kit – 6 ft.

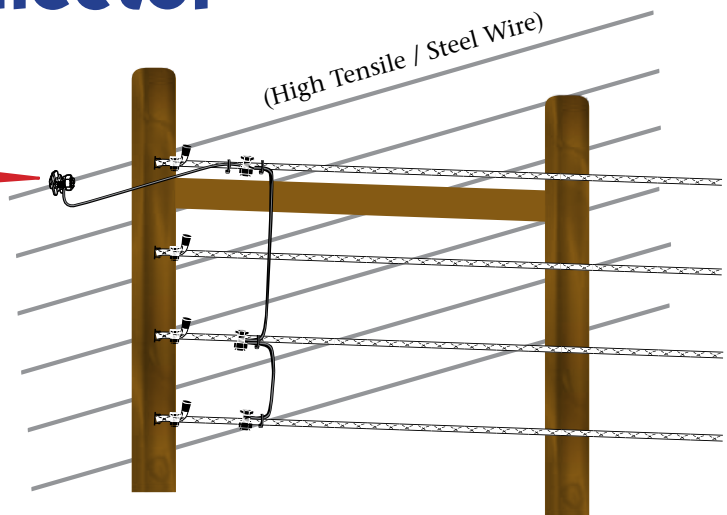
(Clamp, 2 Ferrules, Cable Tie)

- Minimum of 3 Ground Rods per Fence

NOTE: Always refer to your energizer manual for number of ground rods required.

FENCE COMPONENTS

Neutral Plate Connector



DESCRIPTION

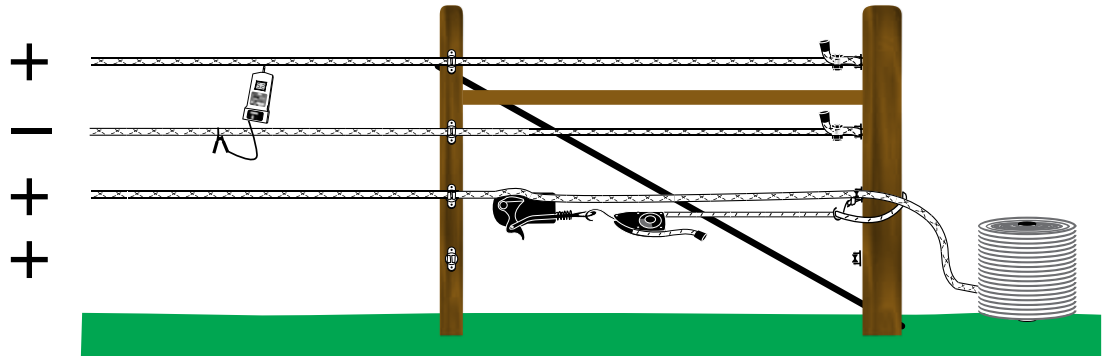
Neutral Plate Connector,
1/bag



IMPORTANT: When connecting ElectroBraid to non-copper wire, always use a Neutral Plate Connector.

Tension Kit & Digital Voltmeter

NOTE: We recommend you maintain a minimum of 5,000 volts 



Tension Kit

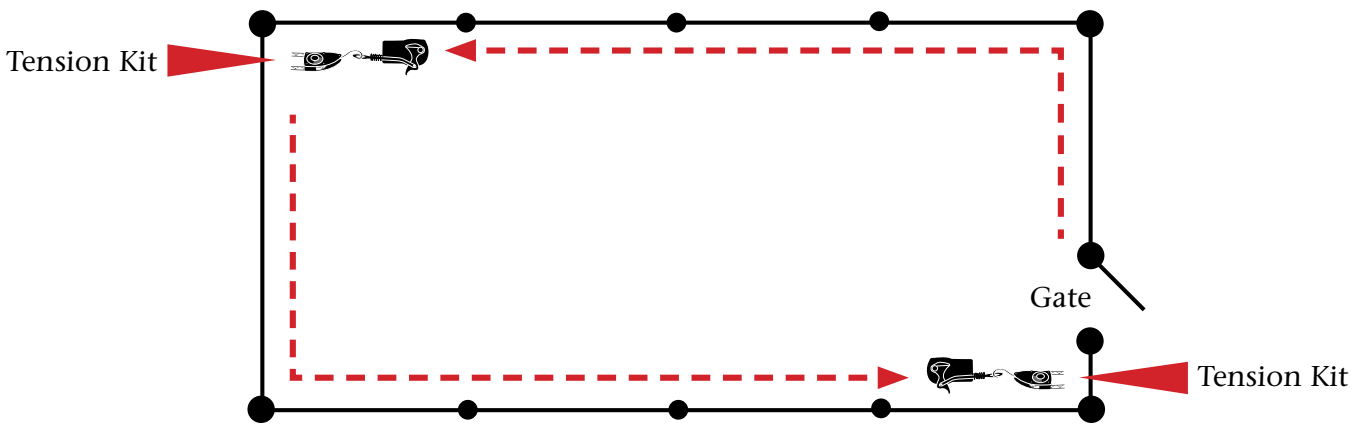


Digital Voltmeter



FENCE COMPONENTS

Tension Kit



M



DESCRIPTION


Tension Kit
 NOTE: If you are tensioning lengths of braid over 1000 ft., or around multiple corners, we recommend a second Tension Kit.





America's #1 Electric Horse Fence

by **ELECTRO BRAID**™

		1/4" ELECTRIC FENCE ROPE	ALUMINIZED HIGH TENSILE	1-1/2" WIDE EQUITAPE	NO CLIMB HORSE FENCE
PURCHASE PRICE (only materials)	BEST	BEST	POOR	GOOD	POOR
INSTALLED PRICE (materials & labor)	BEST	GOOD	POOR	GOOD	POOR
PRICE PER YEAR OF LIFE	BEST	POOR	POOR	GOOD	GOOD
EASE OF INSTALLATION	BEST	GOOD	POOR	GOOD	POOR
MAINTENANCE TIME	BEST	POOR	POOR	BEST	GOOD
SAFETY RATING	BEST	POOR	POOR	POOR	GOOD
BREAKING STRENGTH	BEST	POOR	POOR	BEST	BEST
WARRANTY	BEST	POOR	POOR	GOOD	GOOD

**COST
COMPARISON**

Frequently Asked Questions

Is this a permanent or temporary fence?

ElectroBraid is versatile. ElectroBraid can stand alone as a permanent perimeter fence. You can also add it to protect a board or wire mesh fence or combine with vinyl or pipe fencing.

Will an electric fence harm my animals or children?

No. The safety of a two-year-old child is the criterion applied by national testing laboratories, such as UL and CSA, to certify the safety of an electric fence energizer. The electric pulse put out by an energizer is so short (about 3/10,000 of a second) it hurts but it cannot injure. Once shocked, neither you nor any animal wants to touch the electric fence again.

What type of posts do I require?

You can use any type of fence post that you want, as long as the ElectroBraid is insulated. Most customers choose wooden posts – 6" diameter for ends and corners, and 3-4" for line posts. Fiberglass posts do not require insulators. T-posts can also be used.

Copper is such a soft metal. Will it break?

No. A copper wire on its own will break, but ElectroBraid is engineered to braid copper wires into a cushion of polyester fiber. The copper is braided into the outer jacket in two opposing directions that cross three times per inch. The copper wires form two helical coils, like springs. This construction allows bend and stretch, without putting strain on the copper itself. In fact, under extreme tension, ElectroBraid itself will break before the copper wires. Copper is 70 times more conductive than stainless steel.

Does copper rust?

No. Pure copper oxidizes, but only on the surface in the form of a dark green patina. Like paint, this thin coating of oxidation prevents any further oxidation. Surface oxidation does not weaken the copper, nor does it reduce electrical conductivity.

Pure copper, as used in ElectroBraid, can last hundreds of years, like copper roofs on buildings. Copper is, of course, the metal used in household electrical wiring.

Will the sun affect the polyester jacket?

No. The high-grade polyester we use is virtually unaffected by sunlight. That is why it is used for seat belts, cargo straps, parachute harnesses and other safety applications. Over time, the ElectroBraid will darken slightly but this will not reduce its strength. An independent laboratory subjected ElectroBraid to a standard ASTM test for extreme ultraviolet (UV) radiation and there was no product deterioration.

How long can I expect the ElectroBraid fence to last?

Based on independent laboratory tests, we confidently provide a **25-Year Performance Warranty** that states ElectroBraid will not rust, rot, lose strength due to sunlight or weather, or break in a normal permanent fence installation.

Do I have to stop weeds from growing up around ElectroBraid?

Yes and no. ElectroBraid is not significantly affected by grass growing up around it. The copper conductor is only a small percentage of the ElectroBraid surface area. Therefore, you don't have to spend a lot of time mowing under the ElectroBraid fence. However, heavy, wet tufts of grass, bushes or branches pressing against ElectroBraid can drain power and cause some loss of voltage. At least once a year weeds, bushes and tree branches should be cleared from the immediate fence area. NOTE: Routine voltage testing of the fence is a good indicator as to when to mow.



ELECTRO  **BRAID**
FENCE Patentec

Support & Warranty

Support

CALL TOLL-FREE (855) EB FENCE

Fence consultants are available to answer your questions about ElectroBraid. Call for this FREE service.

25 Year Performance Warranty*

ElectroBraid will not rust, rot or lose strength due to sunlight or weathering, break when installed as a permanent fence or prove defective in workmanship or material. Any reel of ElectroBraid that is defective



will be replaced at no charge to the purchaser. This warranty is in effect for 25 years from the date of purchase.

Limitations: This warranty does not cover ElectroBraid that has been damaged by a lightning strike, burning or melting, mechanical shearing or cutting, abrasion due to poor installation, breaking due to excess mechanical force, breaks in conductor wires or wear and tear from fence relocation or rotational grazing. In no event shall ElectroBraid be liable for consequential or incidental damages of any kind, including personal injuries.

To obtain performance under this warranty upon discovery of an apparent defect, promptly notify ElectroBraid Fence, in writing, at:

Suite 322
3045 Robie Street, Unit 5
Halifax NS B3K 4P6 Canada

Include with your notification at least 12 feet of ElectroBraid showing the apparent defect, along with your proof of purchase. This warranty is expressly in lieu of any verbal or other warranties.

**You can reach ElectroBraid at
(855) EB FENCE or email us at
info@electrobraid.com.**