

## Choosing Tape, Wire & Braid

There are three main criteria for determining which type of tape, wire or braid to choose for specific application.

- **Conductivity:** How much power the product delivers and how far.
- **Durability:** How the product stands up under varying conditions.
- **Design:** How the product performs in the long term.

Copper wire used in some fence products is highly conductive but it is not as strong as stainless-steel and can "fatigue", deteriorate and break easily. Stainless steel wire is stronger but less conductive.

For maximum performance, the turbo line developed by Gallagher meets all three criteria. The mixed-metal design offers power, performance and durability. The Gallagher line of turbo products are better for long-term reliability and conductivity being less likely to be compromised, damaged or broken by livestock.

### *Tips for determining the best Gallagher product for your needs.*

#### **Turbo Wire & Polywire:**

Preferable where wind and adverse weather conditions exist.



#### **Turbo Tape & Poly Tape:**

Generally used where visibility is important.



#### **Turbo EquiBraid:**

A braided product designed not to tangle or overstretch.



# Performance Chart

This chart shows for each Poly and Turbo product, the predicted voltage felt by the animal (500 ohms)\* at various distances if the voltage at the beginning of the fence is 8,000 volts. Turbo products have significantly greater voltage compared with Poly products after 1/4 and 3/4 mile.

\*500 ohms load (maximum conductivity of livestock).

## A. Turbo Wire

- Resistance: 209 ohms/mile.
- Best suited for distances more than 1/4 mile where extreme power is required.
- 9 strand resistance -- 40 times more conductive than standard Polywire.

## B. Polywire

- Resistance: 10,000 ohms/mile.
- Best suited for distances under 1/4 mile.

## C. 1/2" Turbo Tape

- Resistance: 400 ohms/mile.
- Best suited for distances greater than 1/4 mile.
- Ideal for semi-permanent and portable electric fences.

## D. 1/2" Poly Tape

- Resistance: 13,600 ohms/mile.
- Best suited for distances under 1/4 mile.

## E. 1 1/2" Turbo Tape




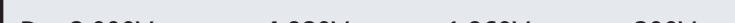
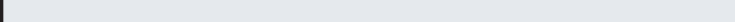


- Resistance: 230 ohms/mile.
- Best suited for distances greater than 1/4 mile.
- Ideal for horse fencing.

## F. 1 1/2" Poly Tape

- Resistance: 3,800 ohms/mile.
- Best suited for distances under 1/4 mile.
- Ideal for horse fencing.

## G. Turbo EquiBraid

- Resistance: 155 ohms/mile.
- Best suited for any distance permanent horse fence.
- Most user-friendly equine product.

	Voltage at beginning of fence	1/4 Mile fence	1/2 Mile fence	3/4 Mile fence
A. 	8,000V	7,320V	6,640V	5,960V
B. 	8,000V	5,040V	2,080V	400V
C. 	8,000V	6,920V	5,840V	4,760V
D. 	8,000V	4,980V	1,960V	200V
E. 	8,000V	7,280V	6,560V	5,840V
F. 	8,000V	5,360V	2,720V	100V
G. 	8,000V	7,320V	6,640V	5,960V