Speedrite™

DATAMARS

ELECTRIC FENCE PRODUCT AND RESOURCE GUIDE 2021

INTERNATIONAL RANGE

speedrite.com

DATAMARS Livestock™

We are a division of Datamars, a global company. Datamars Livestock provides the platform and tools for today's farmers to better manage their livestock.

We know that when our customers are able to collect and use data to make informed on-farm decisions, they achieve better and more consistent results. Simply, accurate livestock management translates to profitable farming.

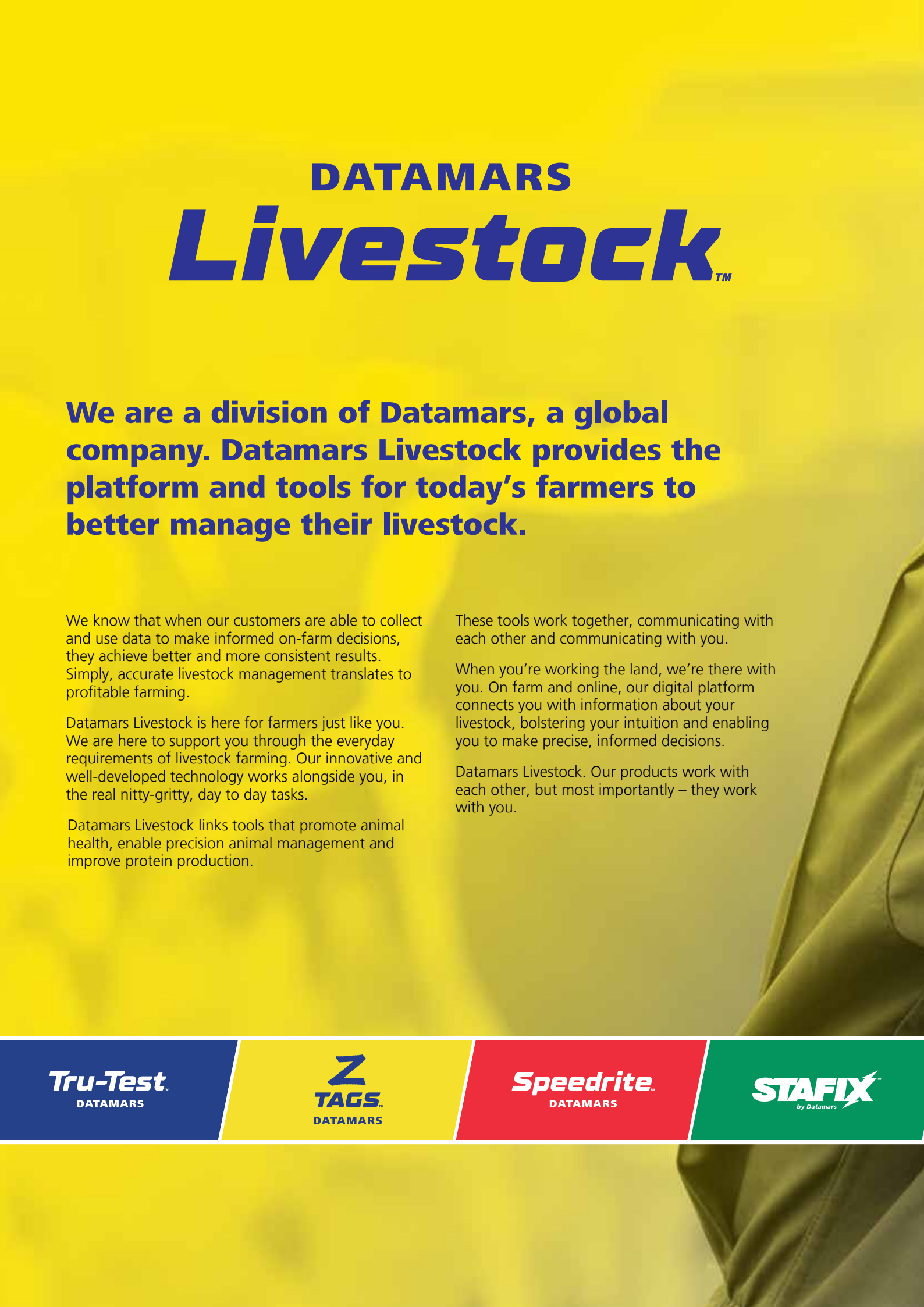
Datamars Livestock is here for farmers just like you. We are here to support you through the everyday requirements of livestock farming. Our innovative and well-developed technology works alongside you, in the real nitty-gritty, day to day tasks.

Datamars Livestock links tools that promote animal health, enable precision animal management and improve protein production.

These tools work together, communicating with each other and communicating with you.

When you're working the land, we're there with you. On farm and online, our digital platform connects you with information about your livestock, bolstering your intuition and enabling you to make precise, informed decisions.

Datamars Livestock. Our products work with each other, but most importantly – they work with you.



Pel DATAMARS | njphillips DATAMARS | Simcro DATAMARS | HAYES

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ENERGIZERS

ABOUT SPEEDRITE

The result of decades of intense research and development, you can rely on the Speedrite range of energizers and electric fencing accessories to deliver maximum power. Their unique technologies gives them a market edge, with options to suit the way you manage your farm.

CHOOSING YOUR ENERGIZER

Speedrite offers a range of energizers to suit the way you manage your farm.

From cost effective and reliable mains energizers, to all in one Unigizers™, the Speedrite range of energizers also includes portable options and a solar range, ideal for isolated areas where no mains power is available.

Mains Range

A mains powered energizer is the most cost-effective, reliable way to power a permanent electric fence. Unigizers™ are also compatible with mains power.

Unigizer™ Range

A Unigizer™ is a flexible, all-in-one mains and battery energizer with solar compatibility. It is a versatile solution that works across permanent, semi-permanent and temporary fencing.

Solar Range

Suitable for strip grazing, permanent, semi-permanent and temporary fencing, and the ideal solution for isolated areas where no mains power is available. Our Solar Systems and Kits provide remote power for permanent installations. Permanent installations are an all-in-one solution with built-in solar panel and battery. The Unigizer™ range is also solar compatible.

Battery Range

Convenient, portable and quick to set up, battery units are suitable for temporary, strip grazing and semi-permanent fencing. Unigizers™ are also compatible with battery power.

MAINS ENERGIZERS

Speedrite mains powered energizers are high performing, powerful units designed for extensive electric fence systems.

From hi-tech components and a compact, rugged design, to advanced Cyclic Wave™ and Bipolar technologies, our energizers are rugged, made for all outdoor conditions and have a 3 year warranty.

MAINS ENERGIZER FEATURES EXPLAINED

3 Year Warranty

We stand behind the reliability of our products. Visit speedrite.com for full warranty details.

Load response feature

Controls energizer output to match conditions, providing maximum fence voltage for effective stock control.

Low interference

Cyclic Wave™ technology delivers outstanding fence performance and helps to minimise electromagnetic interference in line with international standards.

Large terminals

Mounted on the front of the energizer casing for convenience, these large terminals are easily adjusted and accept up to two fence wires. The slotted terminals make inserting wires and getting a good connection easy.

Compact, rugged design

Hi-tech components and advanced research and development have enabled us to make powerful energizers in a compact, rugged polymer case.

Cyclic Wave™ technology

Provides a cleaner, more powerful pulse, maximising the energy that travels down the fence for optimal stock control.

Bipolar technology

Enables the user to power a fence system to perform exceptionally well in dry, low conductive soil.

Remote capable

Using a Speedrite fence remote (with remote capable Speedrite energizers) enables you to switch the energizer on or off from anywhere along the fence line. This makes it easy to manage repairs and maintenance.

Indicator lights (voltage)

Easy to read light bar display provides an instant measure of the energizer output voltage for quick fence diagnostics. The LED display shows red when heavily loaded.

Split bolt terminal design

Allows multiple fence wires to be connected easily, with a robust connection without needing to bend the fence wire or over-tighten. (46000W and 86000W only)

Datamars Livestock: Farm app

Connect to your energizer and see the fence voltage in real-time, configure your energizer settings, and connect the energizer to your Wi-Fi network. (46000W and 86000W only)

Not all mains energizers contain the features listed here. See product descriptions for more details.

MAINS ENERGIZERS

86000W

Powers up to 1300 acres / 500 ha of fence
86 J maximum output energy (128 J stored energy)

- Cyclic Wave™ technology
- Wi-Fi and Bluetooth capable
- Bi-polar technology
- Remote capable (Remote sold separately)
- Indicator lights (voltage)
- Compact, rugged design
- Low interference
- Load Response Feature
- Voltage display
- Best in class terminal design
- Datamars Livestock: Farm App
- 3 year warranty

46000W

Powers up to 640 acres / 260 ha of fence
46 J maximum output energy (68 J stored energy)

- Cyclic Wave™ technology
- Wi-Fi and Bluetooth capable
- Bi-polar technology
- Remote capable (Remote sold separately)
- Indicator lights (voltage)
- Compact, rugged design
- Low interference
- Load Response Feature
- Voltage display
- Best in class terminal design
- Datamars Livestock: Farm App
- 3 year warranty

*Starter plan included free with purchase

SMART ENERGIZER HAS A LOT OF GRUNT

Kerry and Tracy Tristram have been farming for 17 years, on a 250-hectare dairy farm that has been in Kerry's family for three generations.

Kerry and Tracey milk a herd of 220 dairy cows across a milking platform of 120 hectares. The farm had a lot of old fencing, so Kerry simplified and moved to two-wire electric. He says installing the 46 Joule Energizer was a no brainer. It charges fencing across the majority of the milking platform, but Kerry says it could go even further.

"There's ample voltage, it has a lot of grunt."

Kerry says the 46J Energizer and Datamars Livestock Farm App have given him the "luxury" to control voltage from anywhere on the farm.

"You can be on the tractor with your phone and you just hit the app to turn the fence off."

He says this instant ability is especially handy for doing quick little jobs and frees up time.

Datamars Livestock Product Manager, Fadi Allos, says that Kerry's experience with the energizer highlights how handy it is to be able to control the energizer from your phone.

"Our energizers have been a hallmark of the farming community for decades, with the 36 Joule Energizer an iconic favourite across the country. We are delighted that our smarter, more powerful 46 Joule Energizer is living up to its predecessor and doing the hard yards when needed."

Kerry says that the app gets put to good use a couple of times a week and it's been easy to operate. He says the Datamars Livestock team has been on hand for support and to answer any burning technical questions.

The 46J Energizer gets the tick of approval from Kerry and Tracy. A more connected farm has given them the freedom to get on with more important jobs and manage their dairy herd.

Kerry says, "It's the way of the future."

"Our first 'smart' energizer is designed to provide peace of mind and save time for farmers, while powering 260 ha of fence. This is the first cab off the rank in our plans to provide a connected farm to our customers and it's great to see farmers like Kerry embracing the technology," adds Fadi.

Keep your fence performance close at hand

Monitor and control the 86000W and 46000W mains energizers from your smartphone, with the Datamars Livestock: Farm App.

GET IT ON Google Play

Download on the App Store

DATAMARS Livestock

M3500

Powers up to 35 km of fence 3.5 J maximum output energy (6.4 J stored energy)

- Low impedance energizer
- Large enclosure
- Rugged design
- 'Plug and play' operation
- LED indicator
- Robust covered knob design
- Multiple mounting options
- 3 year warranty

M2000

Powers up to 20 km of fence. 2.0 J maximum output energy (3.0 J maximum stored energy)

- Low impedance energizer
- Large enclosure
- Robust covered knob design
- Rugged design
- LED indicator
- 'Plug and play' operation
- Multiple mounting options
- 3 year warranty

M1200

Powers up to 12 km of fence. 1.2 J maximum output energy (1.7 J maximum stored energy)

- Low impedance energizer
- Large enclosure
- Robust covered knob design
- Rugged design
- LED indicator
- 'Plug and play' operation
- Multiple mounting options
- 3 year warranty

M500

Powers up to 5 km of fence. 0.5 J maximum output energy (0.85 J maximum stored energy)

- Low impedance energizer
- Large enclosure
- Robust covered knob design
- Rugged design
- LED indicator
- 'Plug and play' operation
- Multiple mounting options
- 3 year warranty

	86000W	46000W	M3500	M2000	M1200	M500
AREA/DISTANCE YOU WANT THE ENERGIZER TO POWER	1300 acres 500 ha	640 acres 260 ha	35 km	20 km	12 km	5 km
MAXIMUM OUTPUT ENERGY	86 J	46 J	3.5 J	2.0 J	1.2 J	0.5 J
MAXIMUM STORED ENERGY	128 J	68 J	6.4 J	3.0 J	1.7 J	0.85 J
NO LOAD VOLTAGE	10,000 V	9,500 V	10,200 V	9,500 V	10,200 V	10,000 V
MEDIUM LOAD VOLTAGE AT 500 Ω	10,000 V	9,300 V	6,200 V	5,700 V	5,500 V	4,800 V
HEAVY LOAD VOLTAGE AT 100 Ω	6,800 V	8,900 V				
MINIMUM NUMBER OF EARTH RODS	12	9	3	3	2	1
INPUT VOLTAGE	120 - 240 V	100 - 240 V		220 - 240 V		

UNIGIZERS™

Speedrite Unigizers™ give you a versatile 3-in-1 solution to manage your electric fence system.

You have the flexibility to choose from either mains, battery or solar energy to power your electric fence.

The 3-in-1 capability allows the Unigizer™ to be used for temporary, semi-permanent, permanent and strip grazing fence systems. It's never been easier to create an electric fencing solution.

UNIGIZER™ FEATURES

3 Year Warranty

We stand behind the reliability of our products. Visit speedrite.com for full warranty details.

Versatile power options

Can be used in mains, battery or solar power applications, providing convenient, versatile livestock control.

Versatile mounting options

Can be mounted on a wall, post or fence wire. Choose indoor or outdoor installation, depending on your fence location and power supply.

Earth monitoring

Indicates earth system problems by monitoring the level of voltage around the earth system.

Low interference

Cyclic Wave™ technology delivers outstanding fence performance and helps to minimise electromagnetic interference in line with international EMC standards.

Large terminals

Mounted on the front of the energizer casing for convenience, these large terminals are easily adjusted and accept up to two fence wires. The slotted terminals make inserting wires and getting a good connection easy.

Day/night sensor

Automatically adjusts to contain or exclude animals based on day or night conditions.

Cyclic Wave™ technology

Provides a cleaner, more powerful pulse, maximising the energy that travels down the fence for optimal stock control.

Bipolar technology

Enables the user to power a fence system to perform exceptionally well in dry, low conductive soil.

Low energy terminal

Limits energy to below 1.5 J for use around buildings and houses.

Solar compatible

Electrify your fence with solar power by connecting solar panels to any Speedrite Unigizer™. The solar panels charge the battery connected to the Unigizer, for reliable livestock control.

Remote capable

A Speedrite fence remote enables you to switch the energizer on or off from anywhere along the fence line. This makes it easy to manage repairs and maintenance.

LCD voltage display

Displays output voltage, battery voltage and earth voltage. LCD is backlit for viewing in poor light conditions. On selected models only.

Indicator lights (voltage and battery)

Easy to read light bar display provides an instant measure of the energizer output voltage for quick fence diagnostics. The LED display shows red when heavily loaded.

Battery saver

Microprocessor technology automatically adjusts the output energy depending on the battery condition. This feature extends battery life and is particularly effective when used in solar installations.

UNIGIZERS™

18000i

Powers up to 270 acres / 110 ha of fence
18 J maximum output energy (24 J stored energy)

- Cyclic Wave™ technology
- Low energy terminal
- Solar compatible
- Remote capable (Remote sold separately)
- LCD voltage display
- Indicator lights (voltage and battery)
- Battery saver
- Day/Night sensor - pulse speed
- Large terminals
- Low interference
- Earth monitoring
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead and mains power adaptor

Available in selected markets
Colour of unit may differ to image displayed.

15000i

Powers up to 225 acres / 90 ha of fence
14.2 J maximum output energy (21 J stored energy)

- Cyclic Wave™ technology
- Low energy terminal
- Solar compatible
- Remote capable (Remote sold separately)
- LCD voltage display
- Indicator lights (voltage and battery)
- Battery saver
- Day/Night sensor – pulse speed
- Large terminals
- Low interference
- Ground monitoring
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery leads and power adaptor

Available in selected markets
Colour of unit may differ to image displayed.

12000i

Powers up to 180 acres / 70 ha of fence
12 J maximum output energy (16 J stored energy)

- Cyclic Wave™ technology
- Bi-polar technology
- Solar compatible
- Remote capable (remote sold separately)
- LCD voltage display
- Indicator lights (voltage and battery)
- Battery saver
- Day/Night sensor – pulse speed
- Large terminals
- Low Interference
- Earth monitoring
- Versatile mounting and power options
- Half voltage terminal
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead and mains power adapator

Available in selected markets
Colour of unit may differ to image displayed.

UNIGIZERS™

10000

Powers up to 150 acres /
60 ha of fence
10 J maximum output energy
(14 J stored energy)

- Audible and visual alarm activates when fence load suddenly increases
- Time delay feature limits energy for a time period when fence load changes
- Cyclic Wave™ technology
- Battery saver technology
- Large terminals for good connection
- Versatile power options – use either mains, battery or solar power
- 3 year warranty.

Available in selected markets
Colour of unit may differ to image displayed.

6000i /6000

Powers up to 90 acres /
36 ha of fence
6 J maximum
output energy
(9 J stored energy)

- Cyclic Wave™ technology
- Bi-polar technology
- Solar compatible
- Indicator lights (voltage and battery)
- Battery saver
- Day/Night sensor - pulse speed
- Large terminals
- Low Interference
- Versatile mounting and power options
- Half voltage terminal
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead and mains power adaptor

6000i only

- Remote capable (Remote sold separately)
- LCD voltage display
- Earth monitoring

Available in selected markets
Colour of unit may differ to image displayed.

3000

Powers up to 45 acres /
18 ha (30 km) of fence
3 J maximum output energy
(4.5 J stored energy)

- Solar compatible
- Indicator lights (voltage and battery)
- Day/Night sensor- pulse speed
- Large terminals
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead, mains power adaptor and fence lead set
- **3000S Sensor** model available in Japan, with switch positions for on at night/off in the day and off at night/on in the day.

Available in selected markets
Colour of unit may differ to image displayed.

2000

Powers up to 30 acres /
12 ha (20 km) of fence
2 J maximum output energy
(2.7 J stored energy)

- Solar compatible
- Indicator lights (voltage and battery)
- Day/Night sensor - pulse speed
- Large terminals
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead, mains power adaptor and fence lead set
- **2000S Sensor** model available in Japan, with switch positions for on at night/off in the day and off at night/on in the day.

Available in selected markets
Colour of unit may differ to image displayed.

UNIGIZERS™

1000

Powers up to 15 acres /
6 ha (10 km) of fence
1 J maximum output energy
(1.5 J stored energy)

- Solar compatible
- Indicator lights (voltage and battery)
- Day/Night sensor-pulse speed
- Large terminals
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead, mains power adaptor and fence lead set
- **1000S Sensor** model available in Japan, with switch positions for on at night/off in the day and off at night/on in the day.

Available in selected markets
Colour of unit may differ to image displayed.

500

Powers up to 8 acres /
3 ha (5 km) of fence
0.5 J maximum output
energy (0.7 J stored energy)

- Solar compatible
- Indicator light (pulse)
- Large terminals
- Versatile mounting and power options
- 3 year warranty
- Includes battery lead, mains power adaptor and fence lead set

Available in selected markets
Colour of unit may differ to image displayed.

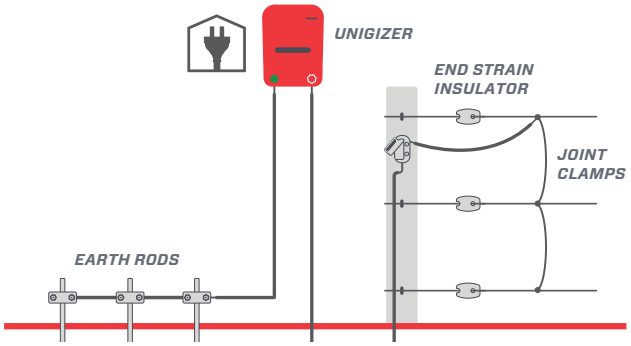
	18000i	15000i	12000i	10000	6000i /6000	3000	2000	1000	500
AREA/DISTANCE	270 acres 110 ha	225 acres 90 ha	180 acres 70 ha	150 acres 60 ha	90 acres 36 ha	45 acres 18 ha 30 km	30 acres 12 ha 20 km	15 acres 6 ha 10 km	8 acres 3ha 5 km
MAXIMUM OUTPUT ENERGY	18 J	14.2 J	12 J	10 J	6 J	3 J	2 J	1 J	0.5 J
MAXIMUM STORED ENERGY	24 J	21 J	16 J	14 J	9 J	4.5 J	2.7 J	1.5 J	0.7 J
NO LOAD VOLTAGE	9,900 V	7,100 V	9,100 V	9,600 V	9,500 V	11,400 V	11,000 V	9,800 V	8,300 V
MEDIUM LOAD VOLTAGE AT 500 Ω	7,700 V	6,400 V	7,700 V	7,300 V	6,700 V	6,200 V	5,900 V	5,300 V	4,400 V
MINIMUM NUMBER OF EARTH RODS	6	6	6	6	4	3	3	2	1
INPUT VOLTAGE	12 V / 100 - 240 V								

**Colour of unit may differ to image displayed.

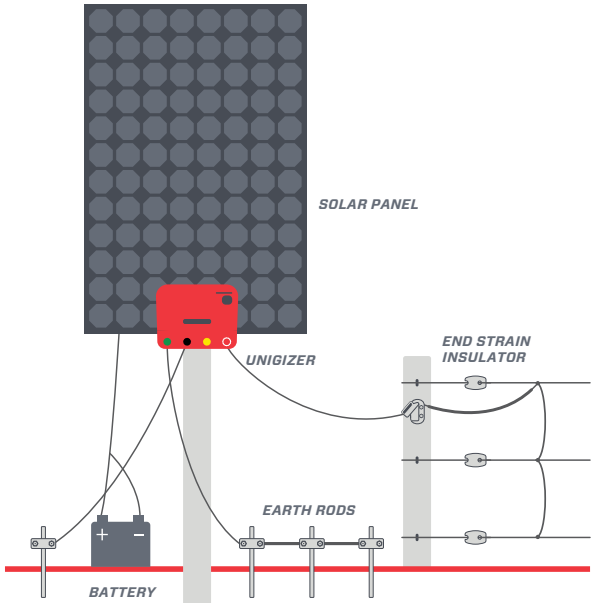
UNIGIZER™ MOUNTING EXAMPLES

Sample diagrams showing Unigizer and earth system. The number of earth rods will vary, depending on the Unigizer and soil conditions.

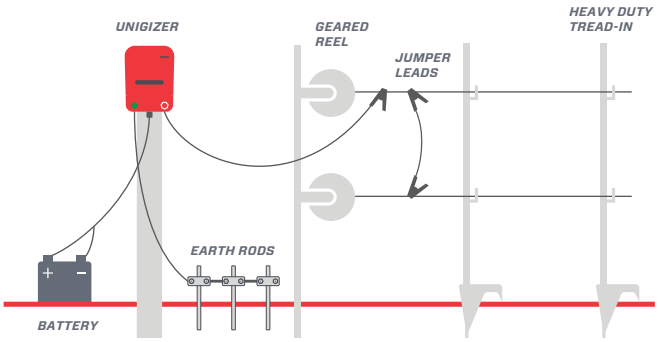
INDOOR DRY LOCATIONS WITH MAINS POWER



OUTDOORS WITH 12 V BATTERY AND UNIGIZER SOLAR KIT



OUTDOORS WITH 12 V BATTERY



PORTABLE SOLAR ENERGIZERS

Speedrite portable solar energizers incorporate an internal battery and are perfect for strip grazing or powering a small area.

These self contained energizers feature an integrated solar panel and a sophisticated battery management system in a rugged carry case.

PORTABLE SOLAR ENERGIZER FEATURES

3 Year Warranty

We stand behind the reliability of our products. Visit speedrite.com for full warranty details.

Steel and wood post mounting options

High impact enclosure is designed to securely mount on Y-posts and wood posts. Easy access to battery while mounted on post.

Requires minimal sunlight

Energizer requires minimal sunlight hours to keep battery at, or near, full charge.

Rechargeable internal battery

Rechargeable internal sealed battery included.

Battery recharge

Energizer intelligently manages battery recharging during fine weather.

High output voltage

Intelligent output up to 9,500 V with no load.

Rugged design

UV resistant case provides maximum weather protection for extreme environments.

Battery saver

Microprocessor technology automatically adjusts the output energy depending on the battery condition. This feature is designed to extend battery life.

Indicator light

Located on the front of energizer, indicates the solar energizer is operating.

PORTABLE SOLAR ENERGIZERS

S1000

Powers up to 10 km of fence
1.0 J maximum output energy (1.30 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 12 V 7 amp hour battery
- **S1000 Sensor model** available in Japan, with switch positions for on at night/off in the day

S500

Powers up to 5 km of fence
0.50 J maximum output energy (0.65 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 12 V 7 amp hour battery
- **S500 Sensor model** available in Japan, with switch positions for on at night/off in the day

PORTABLE SOLAR ENERGIZERS

S150

Powers up to 2 km of fence
0.15 J maximum output energy (0.21 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 6 V 4 amp hour battery
- **S150 Sensor model** available in Japan, with switch positions for on at night/off in the day

S80

Powers up to 1 km of fence
0.08 J maximum output energy (0.11 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 6 V 4 amp hour battery
- **S80 Sensor model** available in Japan, with switch positions for on at night/off in the day

	S1000	S500	S150	S80
AREA/DISTANCE*	10 km 15 acres	5 km 8 acres	2 km 3 acres	1 km
MAXIMUM OUTPUT ENERGY	1.00 J	0.50 J	0.15 J	0.08 J
MAXIMUM STORED ENERGY	1.30 J	0.65 J	0.21 J	0.11 J
NO LOAD VOLTAGE	9,600 V	9,800 V	9,300 V	7,300 V
LIGHT LOAD VOLTAGE AT 2000 Ω	7,100 V	6,200 V	4,100 V	3,200 V
STANDARD LOAD VOLTAGE AT 1000 Ω	5,600 v	4,500 v	2,600 V	2,100 V
MINIMUM NUMBER OF EARTH RODS	1	1	1	1
INPUT VOLTAGE	12 V internal battery		6 V internal battery	

BATTERY ENERGIZERS

Speedrite battery energizers provide a portable and practical solution for strip grazing and temporary electric fence systems.

Convenient, portable and quick to set up. Unigizers™ are also compatible with battery power.

BATTERY ENERGIZERS

B2000

Powers up to 20 km of fence
2.0 J maximum output energy (2.7 J stored energy)

- Battery operated
- Low impedance
- Large enclosure, robust and rugged design
- Simple 'plug and play' operation for easy installation
- LED indicator
- Robust covered knob design protects user from terminals
- Multiple mounting options
- 3 year warranty

B1200

Powers up to 12 km of fence
1.2 J maximum output energy (1.7 J stored energy)

- Battery operated
- Low impedance
- Large enclosure, robust and rugged design
- Simple 'plug and play' operation for easy installation
- LED indicator
- Robust covered knob design protects user from terminals
- Multiple mounting options
- 3 year warranty

B500

Powers up to 5 km of fence
0.5 J maximum output energy (0.67 J maximum stored energy)

- Battery operated
- Battery saving mode
- Rugged design
- 'Plug and play' operation
- LED indicator
- Multiple mounting options
- Comes with fence lead set
- 3 year warranty

BATTERY ENERGIZERS

AN90

eg. with solar panel attached

Powers up to 2 km of fence
0.12 J maximum output energy (0.16 J stored energy)

- Simple set up
- On/Off switch
- Powered by 12 V external battery or 4 x D cell batteries
- Fast and slow options
- Optional tread-in stand
- Flashing LED
- 3 year warranty
- **AN90 Sensor model** available in Japan, with switch positions for on at night/off in the day

Models available with or without stand and/or solar panel in selected markets

AN20

Powers up to 1 km of fence
0.04 J maximum output energy (0.05 J stored energy)

- Simple set up
- On/Off Switch
- Intelligent battery management to extend battery life
- 3 year warranty
- Powered by 2 x D cell batteries

	B2000	B1200	B500	AN90	AN20
DISTANCE	20 km	12 km	5 km	2 km	1 km
MAXIMUM OUTPUT ENERGY	1.9 J	1.2 J	0.5 J	0.12 J	0.04 J
MAXIMUM STORED ENERGY	2.7 J	1.7 J	0.67 J	0.16 J	0.05 J
NO LOAD VOLTAGE	10,400 V	10,000 V	8,200 V	8,000 V	5,800V
LIGHT LOAD VOLTAGE AT 2000 Ω	8,400 V	8,100 V	6,600 V	4,500 V	2,800 V
MINIMUM NUMBER OF EARTH RODS	3	2	1	1	1
INPUT VOLTAGE	12 V external battery	12 V external battery	12 V external battery	4 x D batteries, 12 V or 6 V external battery	2 x D batteries

speedrite
AN90

MANAGEMENT TOOLS

MEASURE AND MONITOR YOUR FENCE

To get the maximum performance from an energizer, you need to be able to measure and monitor your fence system effectively.

No matter how good an energizer is, if the fence line is badly insulated, has shorts, or is poorly earthed, it will perform well below its optimum. Advances in remote and fault-finding technology mean you can quickly locate and fix faults on your fence with a minimum of fuss.

For the right advice and optimum fence design, contact your local Sales Manager.

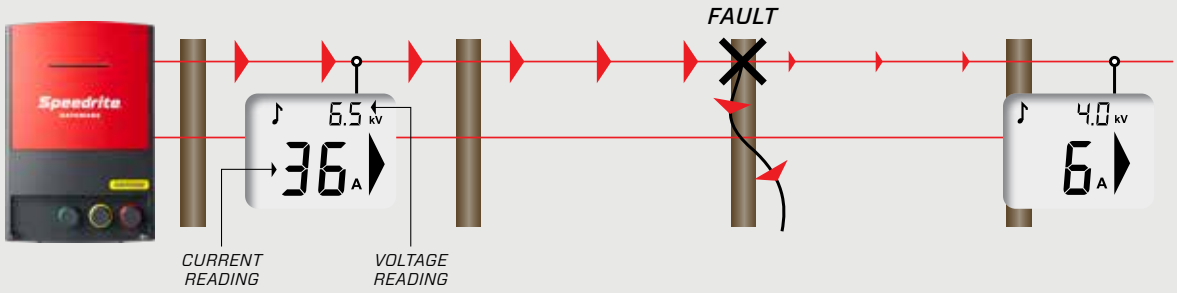
MANAGEMENT TOOLS

Essential fence maintenance tools for accurate testing of your fence and energizer earth system.

Make fence maintenance easy with our range of testers, voltmeters and fence alerts. Durable design for even the most rugged of conditions.

FAULT FINDING EXPLAINED

Start near the energizer's lead-out wires with your Speedrite Remote with Fault Finder or your Speedrite Fault Finder. Move down the fence line following the arrow away from the energizer. Take readings at regular intervals and at any junction point.



The previous current reading is shown briefly in the top right corner of the screen so that you can compare readings. If the current reading suddenly falls, you have gone past a fault. Retrace your steps to find the fault. Note that after a few seconds, the previous current reading will be replaced with the present voltage reading (kV).

Watch our how-to video online www.youtube.com/SpeedriteFence

Remote with Fault Finder

- Quickly and easily locates faults along the fence line
- Large back-lit display
- Displays current, voltage and current direction simultaneously
- Displays previous current reading to compare values
- Audible current indicator
- Convenient belt clip
- Insulated, rugged, water resistant case
- Replaceable 9 V battery
- Low battery warning system
- Automatic energizer polarity detection
- Fault Finding option can be used with all energizers
- Turns compatible Speedrite energizer on or off from anywhere along the fence line
- 1 year warranty*

Product code: 880 0000-860**

Fault Finder

- Quickly and easily locates faults along the fence line
- Large back-lit display
- Displays current, voltage and current direction simultaneously
- Displays previous current reading to compare values
- Audible current indicator
- Convenient belt clip
- Insulated, rugged, water resistant case
- Replaceable 9 V battery
- Low battery warning system
- Automatic energizer polarity detection
- Works with all energizers
- 1 year warranty*

Product code: 880 0000-771**

**Colour of unit may differ to image displayed.

Digital Voltmeter

- Enables accurate testing of fence and energizer earth system
- Earth probe provides accurate fence to ground voltage measurements
- Readings from 200 V to 9,900 V in 100 V increments
- Rugged design
- Automatic On/Off
- Replaceable 9 V battery
- 1 year warranty*

Product code: 880 0000-620

5 Light Tester

- Handy, pocket-sized unit for testing general fence condition
- Shows if fence is live and measures approximate voltage
- Readings from 2,000 V to 8,000 V in 1,000 V increments
- Easy to read voltage markings
- No battery required
- 1 year warranty*

Product code: 880 0000-120

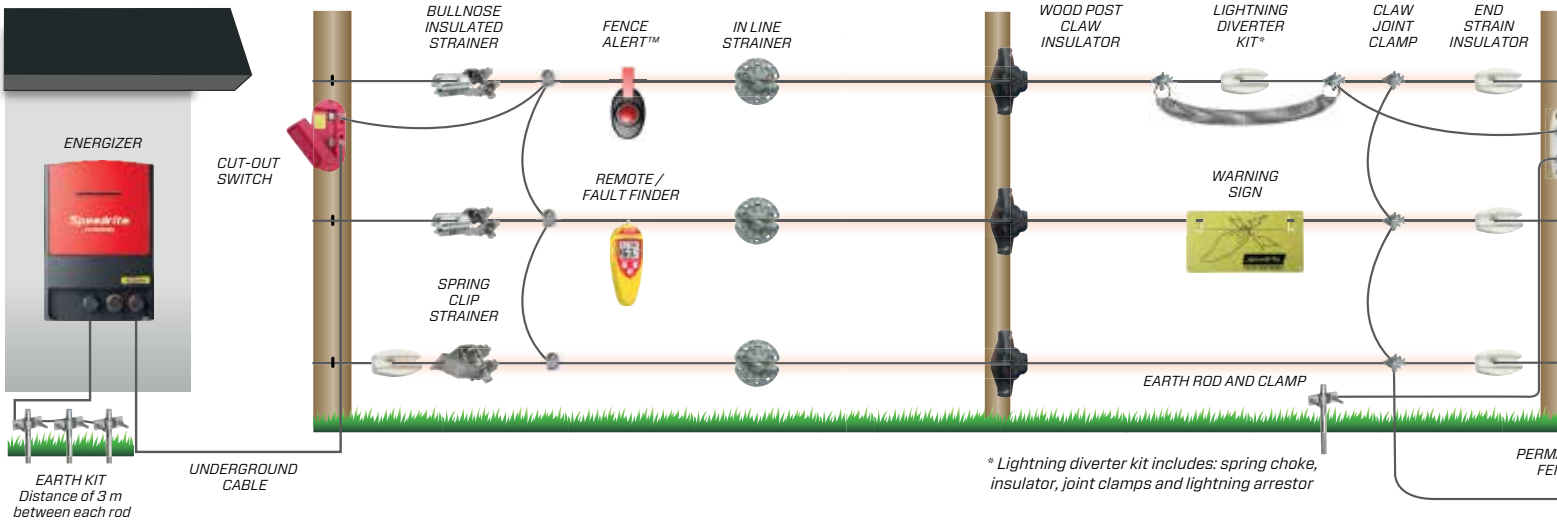
Fence Alert

- Warning light begins flashing when voltage is too low
- Visible up to 1.5 km away
- Rugged impact and water resistant case
- Can be used on any type of electric fence
- Works with all energizers
- No ground wires or external power sources required
- Battery life 5 years on standby or up to 2 weeks of continuous flashing
- 2 preset voltage triggers can be selected
- Replaceable battery
- 1 year warranty*

Product code: 880 0000-521

*Batteries fitted inside management tools have a 90 day warranty.

PERMANENT ELECTRIC FENCING

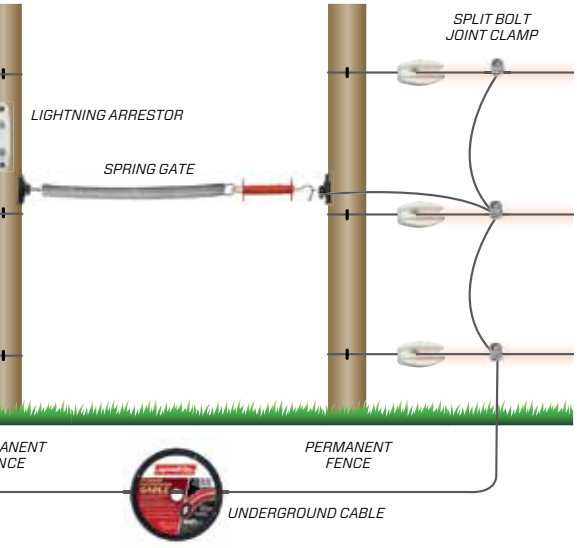


These products are recommended to ensure top performance of your permanent electric fence system.
Diagram is an example only. For more details on permanent electric fencing design visit **speedrite.com/resources**

FLEXIBLE, DURABLE AND ECONOMICAL

Permanent electric fence solutions are easy to install and operate with less maintenance.

They are also a safer fencing solution for your stock. Animal contact with the fence is reduced and it's less likely to injure if a fence is breached.



PERMANENT ELECTRIC FENCE ACCESSORIES

Speedrite insulators are reliable, strong and UV stabilised for long life. All Speedrite insulators come with a minimum two year warranty.

WOOD POST INSULATORS

Wood Post Claw Insulator

- Rugged claw design
- UV stabilised for long life
- Unique staple guides
- Twin spark guards prevent arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid

Product code:
880 0000-629 (25 pack)
880 0000-986 (125 pack)

Wood Post Claw Ribbed Insulator

- Rugged claw design
- UV stabilised for long life
- Spark guard prevent arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid

Product code: 880 0001-790 (25 pack)

Wood Post Hi-Strain Insulator

- High strength insulator designed for high and low points of hill country fences
- UV stabilised for long life
- Includes 2 x 75 mm twisted galvanised nails

Product code: 880 0001-880 (25 pack)
880 0002-149 (500 CT no nails)

Wood Post Pinlock Insulator

- Rugged pinlock design
- UV stabilised for long life
- Unique staple guides
- Twin spark guards prevent arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid
- High strength pinlock, conveniently allows easy removal of wires

Product code: 880 0000-833 (25 pack)
880 000-825 (125 pack)

STEEL POST INSULATORS

Universal Y-Post Pinlock Insulator

- Suitable for most steel posts including JIO Star™, JIO MaxY™ and standard Y-posts
- UV stabilised for long life
- Twin-pin design for fast and easy attachment
- Pinlock design allows for easy wire removal if required
- Suitable for use with most fence wires including sighter wire, up to 8 mm
- Increased size provides superior strength and twin spark guards prevent arcing

Product code: 880 0000-415 (25 pack), 880 0000-734 (125 pack)

Heavy Duty Y-Post Pinlock Insulator

- Rugged self locking, tapered pins for easy removal of wires
- UV stabilised for long life
- Suitable for up to 4 mm of fence wire
- Spark guard prevents arcing and increased distance from wire to post reduces risk of leakage

Product code: 880 0001-046 (25 pack), 880 0000-354 (125 pack)

CONCRETE POST INSULATORS

Concrete Post Insulator

- Suitable for up to 4 mm (8 ga) wire, poliwire or braid
- UV stabilised for long life
- Spark guards prevent arcing and increased distance from wire to post reduces risk of leakag
- Includes galvanised steel pin

Product code: 880 0001-791 (25 pack)

END STRAIN INSULATORS

End Strain Insulator White (Heavy Duty)

- Reinforced glass filled polymer for maximum strength
- Suitable for high strain use
- Superior UV stabilisation for long life
- Deep grooves hold wire in place and prevent twisting
- Long leakage path prevents arcing
- Use with most sizes of fence wire

Product code: 880 0001-067 (25 pack)

End Strain Insulator Black

- Suitable for high strain use
- UV stabilised for long life
- Deep grooves hold wire in place and prevent twisting
- Long leakage path prevents arcing
- Use with most sizes of fence wire

Product code: 880 0000-260 (25 pack)

End Strain Insulator Porcelain

- Suitable for high strain use
- High quality long life porcelain
- Deep grooves hold wire in place and prevent twisting under tension
- White glaze finish

Product code: 880 0000-677 (10 pack)

STRAINERS

In Line Strainer

- Suitable for high strain use
- Can be added to fence without cutting wire
- Designed to work with In Line Strainer Handle or 12 mm drive ratchet
- Rust resistant
- Rugged and easy to use
- Light weight high strength aluminium construction

Product code: 880 0000-005 (25 pack)

In Line Strainer Handle

- Galvanised handle for In Line Strainer
- Rust resistant
- Rugged and easy to use

Product code: 880 0000-099 (each)

Spring Clip Strainer

- Suitable for high strain use
- Spring clip design for easy tensioning
- Rust resistant
- Galvanised frame with aluminium spool
- Rugged and easy to use

Product code: 880 0000-044 (10 pack)

CABLE AND SPECIALISED WIRE

Extreme 2.7 mm Underground Cable

- Ideal for large properties with high powered energizers
- 2.7 mm (12 ga) aluminium coated steel for extreme conductivity
- 3 times more conductive than 2.5 mm (12.5 ga) Premium Underground Cable
- 8 x more conductive than 1.6 mm (16 ga) Underground Cable
- Use with Speedrite Joint Clamps
- Resistance of 11.5 ohms / km
- Easy to strip with soft steel core

Product code: 880 0000-921 (50 m spool)
880 0000-567 (100 m spool)
880 0000-352 (500 m spool)

Premium 2.5 mm Underground Cable

- Suitable for all properties
- 2.5 mm (12.5 ga) galvanised steel for greater conductivity
- 3 times more conductive than 1.6 mm (16 ga) Underground Cable
- Use with Speedrite Joint Clamps
- Resistance of 35 ohms / km
- Easy to strip with soft steel core for greater flexibility

Product code: 880 0000-777 (50 m spool)
880 0000-208 (100 m spool)
880 0000-356 (500 m spool)

1.6 mm underground Cable

- Ideal for small properties with low powered energizers
- 1.6 mm (16 ga) galvanised steel
- Use with Speedrite Joint Clamps
- Resistance of 90 ohms / km
- Easy to strip with soft steel core for greater flexibility

Product code: 880 0000-918 (50 m Spool)
880 0000-258 (100 m Spool)

Flexinet Sheep

- Highly visible temporary short run fence
- Tough polypropylene with stainless steel conductors
- 50 m length with pre-spaced poli-stakes
- Includes anchoring kit and warning sign
- 900 mm high, 8 wires (7 are electrified)

Product code: 880 0000-117 (10 pack)

Insultube

- Economical insulator fastened with staples (staples not included)

Product code:
880 0000-947 (4/9 mm x 12 m coil),
880 0000-174 (4/9 mm x 100 m coil)
880 0000-199 (6/12 mm x 100 m coil)

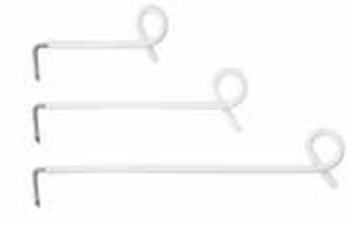
WOOD POST OUTRIGGERS

Side Fixing

- Galvanised spring steel construction
- UV stabilised for long life
- Available lengths: 150 mm, 270 mm and 400 mm

Product code: 880 0000-029 (5 pack, 150 mm),
880 0000-058 (5 pack, 270 mm),
880 0000-057 (5 pack, 400 mm)

Top Fixing



- Galvanised spring steel construction
- UV stabilised for long life
- Available lengths: 150 mm, 270 mm and 400 mm

Product code: 880 0000-041 (5 pack, 150 mm)
880 0001-979 (5 pack, 270 mm),
880 0000-078 (5 pack, 400 mm)

Double Ended

- Galvanised spring steel construction
- UV stabilised for long life
- Available length: 860 mm

Product code: 880 0000-009 (10 pack, 860 mm)

WIRE OUTRIGGERS

Pinlock Wire Outrigger

- Ideal for installing electric fencing onto existing non-electrified fences
- Constructed from high tensile galvanised steel
- UV stabilised pinlock insulator for easy wire insertion and removal

Product code: 880 0000-191 (50 carton)

GATE HARDWARE

Spring Gate White

- Electrifies gateways up to 5 m wide
- Versatile and easy to install
- Fully insulated, heavy duty handle with protective guards and non-slip grip
- Highly visible powder coated white rust resistant spring
- Includes: heavy duty insulated handle, 2 x Wood Post Pinlock Insulators, activator and 5 m white spring

Product code: 880 0000-549 (pack),
880 0000-505 (replacement spring)

Spring Gate

- Electrifies gateways up to 8 m wide
- Versatile and easy to install
- Fully insulated, heavy duty handle with protective guards and non-slip grip
- Galvanised rust resistant spring
- Includes: heavy duty insulated handle, 2 x Wood Post Pinlock Insulators, activator and galvanised spring

Product code: 880 0000-410 (5 m)
880 0000-924 (8 m)
880 0000-696 (5 m replacement spring)
880 0000-508 (8 m replacement spring)

Tape Gate

- Electrifies gateways up to 5 m wide
- Versatile and easy to install
- Fully insulated, heavy duty handle with protective guards and non-slip grip
- Designed for maximum visibility with 40 mm wide tape
- Tape contains 10 stainless steel strands for high conductivity.
- Includes: handle, 2 x Wood Post Pinlock Insulators, buckle, activator and 5 m of white/red Premium Gate Tape

Product code: 880 0000-278 (pack)

Bungy Gate

- Electrifies gateways and races up to 11 m wide
- Versatile and easy to install
- Fully insulated handle with protective guards and non-slip grip
- Bungy Cord with 4 stainless steel strands provides extreme stretch, high conductivity and maximum shock exposure
- Includes: insulated handle, 2 x Wood Post Pinlock Insulators, activator, galvanised hook, High Visibility Flag and Bungy Cord

Product code: 880 0000-623 (pack, 3.5 m - 7 m),
880 0000-813 (pack, 5.5 m - 11 m)

Bungy Cord

- Heavy duty electrified shock cord with supreme elasticity
- 4 stainless steel wires cross over 10 x per cm for maximum conductivity
- Suitable for all livestock
- UV stabilised for long life

Product code: 880 0000-844 (50 m spool)

GATE HARDWARE & HANDLES

Heavy Duty Gate Break Handle

- Non-slip insulated grip
- High density UV stabilised polyethylene for long life
- High tensile galvanised spring
- Heavy duty, rugged body with large protective guards

Product code: 880 0000-483 (20 carton, red), 880 0000-294 (20 carton, yellow)

Gate Break Handle

- Non-slip insulated grip
- High density UV stabilised polyethylene for long life
- Replaceable heavy duty galvanised spring

Product code: 880 0000-201 (6 pack)
880 0001-310 (replacement spring)

Compression Gate Break Handle

- High tensile, heavy duty spring compresses under tension, preventing over-stretching
- Non-slip insulated grip
- High density UV stabilised polyethylene for long life
- Heavy duty, rugged body with large protective guards

Product code: 880 0000-330 (blue, 20 carton)
880 0000-798 (white, 20 carton)

ZAMMR Handle

- Convenient, multi-purpose handle, with a durable design for the toughest conditions
- Use as a live hook or an insulated hook in temporary fencing, or as a gate break handle
- Versatile – connect temporary fence wire, tape or bungy
- Strong stainless steel backbone for high conductivity and corrosion resistance
- Single piece over-mould ensures a fully insulated handle

Product code: 880 0000-568 (10 carton)

No Kick Handle

- Used when an insulated connection is required
- Strong UV resistant design
- For use in temporary fence application
- Slim design for ease of use

Product code: 880 0000-543 (10 pack)

Gate Activator

- For use with tape, spring and bungy gates
- 3 connection points for flexibility.

Product code: 880 0000-262 (10 pack)

GATE HARDWARE & HANDLES

Tape Gate Buckle

- For use with Premium Gate Tape

Product code: 880 0000-699 (10 pack)

Bungy Cord Hook

- Galvanised hook for bungy gate anchor

Product code: 880 0001-055 (10 carton)

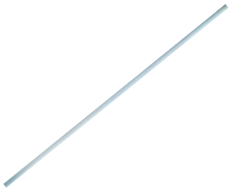
High Visibility Flag

- Galvanised hook for bungy gate anchor.

Product code: 880 0001-999 (10 pack)

SEMI-PERMANENT POSTS & POST ACCESSORIES

Fibreglass Post



- UV stabilised, silicon bonded fibreglass rods
- Available in a range of sizes.

Product code:
880 0002-199 Fibreglass Post 10 mm X 1.2 m
880 0001-192 Fibreglass Post 10 mm X 1.5 m
880 0002-396 Fibreglass Post 10 mm X 2.0 m
880 0001-966 Fibreglass Post 13 mm X 1.2 m
880 0000-072 Fibreglass Post 13 mm X 1.5 m
880 0000-104 Fibreglass Post 13 mm X 2.0 m

Fibreglass Post Clip

- Use with 10 or 13 mm fibreglass posts.

Product code:
880 0000-877 (50 pack, 10 mm Temp Clip)
880 0001-469 (50 Pack, 13mm EZI Clip)

GENERAL ACCESSORIES

Cut-Out Switch

- Use to isolate sections of electric fence with minimal disruption to your farm
- 2 stainless steel contacts for positive connection
- Highly visible on/off position
- Fits securely onto post
- UV stabilised for long life

Product code: 880 0000-082 (10 carton)

Flood Gate Controller

- Limits energy loss from heavy growth or flooding
- Fully sealed from insects and the environment
- Ideal for use near creeks, river beds and areas prone to flooding

Product code: 880 0000-597 (pack)

Split Bolt Joint Clamp

- Use to create electrical connections between wires
- Solid zinc for superior corrosion resistance
- Ideal for coastal or other harsh environments
- Suitable for wire up to 2.7 mm (12 ga)

Product code: 880 0000-214 (20 pack)

Heavy Duty Claw Joint Clamp

- Use to create electrical connections between wires
- Galvanised construction for superior rust resistance
- Claw design allow multiple connecting wires
- Suitable for wire up to 4 mm (8 ga)

Product code: 880 0000-113 (20 pack)

Earth Kit

- Ensures effective connection between energizer and earth, maximising the performance of your electric fence.
- Pack of 3 includes: 3 x 2 m galvanised earth rods and 3 x galvanised earth clamps.

Product code: 880 0002-398

Warning Sign

- Clear warning for safety
- Signs may be required by law, refer to your local bylaws for more information

Product code: 880 0000-076 (each)

nect
tasmania

EARTH SYSTEMS

OPTIMISE YOUR FENCE

An earth system is the most important component of an electric fence system. An effective earth system will optimise the performance of your fence.

SETTING UP YOUR EARTH SYSTEM

Installing your Energizer

Before installing, make sure you have read all the instructions provided with your energizer.

Indoor installation

Mains, Unigizer™ or battery powered energizer

- Mount out of reach of children and animals
- Mount a mains powered energizer near a power point

Outdoor installation

Unigizer or battery powered energizer

- Mount out of reach of children and animals
- If necessary, build a protective box or fence around the energizer and battery
- Where possible, connect the energizer to the middle of the fence

Solar Installation

Solar powered energizers

- Mount out of reach of children and animals
- If necessary, build a protective fence around the solar installation
- Where possible, position the energizer and solar panel(s) in the middle of the fence
- Adjust the solar panel(s) to face north in the southern hemisphere and south in the northern hemisphere
- For extended battery life, store your batteries under cover

Earthing your Energizer

Understanding earthing

What is an earth system?

The earth system consists of a number of earth rods that provide an effective (low resistance) path for the electric current to return to the energizer's earth terminal. Larger energizers with large fence lines require more earth rods.

How does earthing work?

For an electric fence to give an electric shock the current produced by an energizer must complete a full circuit. The current leaves the energizer and moves along the fence wires through the animal, into the soil and back to the energizer via the earth system. If the earth system is ineffective the animal will receive an inadequate shock.

What factors affect your earth system?

Dry, sandy or non-conductive soil (e.g. volcanic soil) provides an ineffective earthing system. If you have this type of soil, it's a good idea to 1) use additional earth rods or 2) choose a better location for the earth system (such as damp soil) or 3) consider an alternative method of earthing such as the Fence Wire Earth Return System.

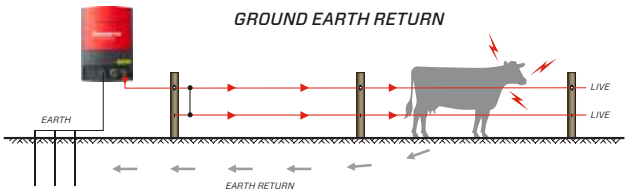
SETTING UP YOUR EARTH SYSTEM

Step one – Choose the right system for you

Option 1 – Ground Earth Return

Recommended where soil is conductive. This system is suitable for most moist soils.

Current flows through the animal and the ground back to the earth rods.

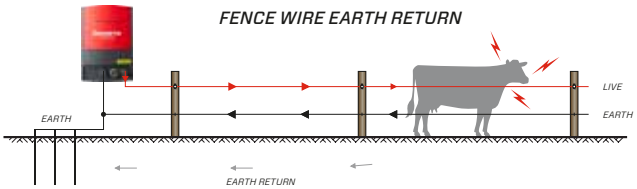


Option 2 – Fence Wire Earth Return

Recommended where soil is not conductive. If the soil is dry, sandy or volcanic it is usually not conductive.

The fence is constructed using both live and earth wires. If the animal touches the live wire, the current flows through the animal and the ground to the earth rods and back to the energizer. If the animal touches the live wire and the earth wire the current flows through the ground and fence earth wire back to the energizer.

It's recommended that earth stakes are placed every 500 m, or 1 km if using Super Earth Kits.



Step two – Select the site for your earth system

A suitable place for an earth system is:

- A minimum of 10 m away from other earth systems, e.g. house mains, underground power or phone lines
- Away from stock or other traffic that could interfere with the installation
- Easily accessible for maintenance
- Where there is damp soil all year round, e.g. shaded or swampy areas

TIPS

1. In some situations it is not possible to locate the earth system close to the energizer. As an alternative, try using the existing fence line to connect to a remote earth system.
2. It may be necessary to water the earth system in dry weather to improve earth stake performance or increase the number of earth stakes.
3. Talk to our team to find out more.

SETTING UP YOUR EARTH SYSTEM

Step three – Insert the earth rods

The number of earth rods required depends on the type of energizer you're using to power the fence and the soil conductivity. It is recommended that you consult with your local Datamars Livestock Sales Manager for the correct number of earth rods to suit your specific location.

1. Space the required number of earth rods at least 3 m apart. If using a Super Earth Kit, space the earth rods at least 10 m apart.

2. Ensure that the earth rods protrude out of the soil by 100 mm so they can be easily connected.

3. Connect the earth rods in series using earth clamps and insulated cable* in one continuous length without joins.

* Note you will need to strip small sections of the insulation away from the cable to connect to the earth clamp/earth rod.

Step four – Testing your earth system

Test your earth system to ensure it's working properly.

To do this:

1. Turn off the energizer.
2. Short circuit the fence to ground at least 100 m away from the energizer. This can be done by laying steel rods or pipes against the fence. In dry or sandy soils drive the rods into the soil up to 300 mm.
3. Turn on the energizer.
4. Use a digital voltmeter to measure the fence voltage. It should read less than 2 kV. If not, repeat steps 1-3 using more steel rods or pipes.
5. Attach the voltmeter clip to the last earth rod of the earthing system.
6. Insert the voltmeter probe into the soil at the full length of the leads.
7. The voltmeter reading should be no more than 0.3 kV. If the reading is higher than this, the earth system is inadequate. Therefore you will need to add more earth rods or find a better location for your earth system. It is recommended you review the checklist opposite.

EARTH SYSTEM CHECKLIST

	TICK HERE
1. All wires are joined securely	☐
2. Connections to earth rods are secure	☐
3. Earth rods are at least 3 m apart	☐
4. Earth rods are at least 2 m long	☐
5. There are a sufficient number of earth rods	☐
6. All parts of the earth system are made of the same metal	☐
7. The earth rods are driven deeply into the soil leaving 100 mm exposed	☐
8. Earth rods are a minimum of 10 m away from buildings or other electrified earth systems, e.g. house mains, underground power or phone lines.	☐

Speedrite
CABLE

TEMPORARY ELECTRIC FENCING

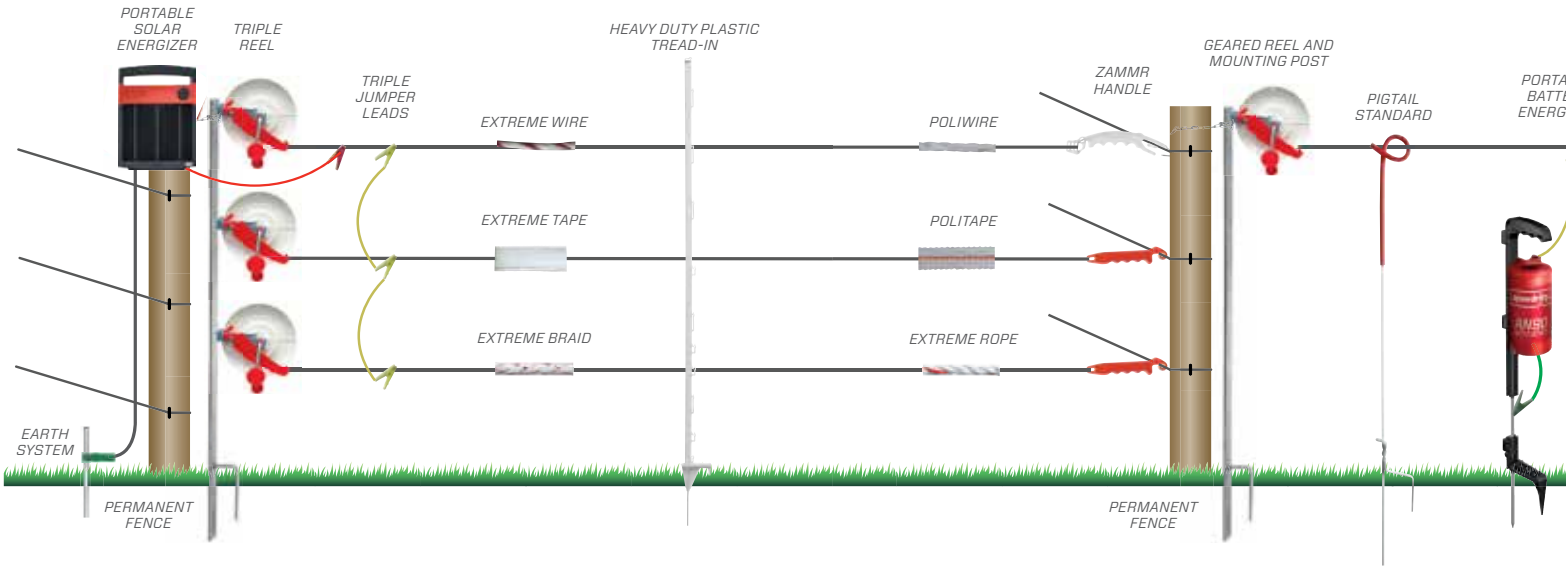
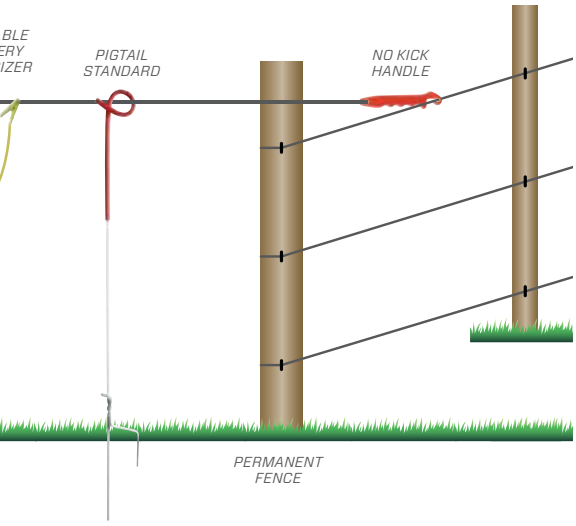


Diagram is an example only. For more details on temporary electric fencing design visit **www.speedrite.com/resources.**

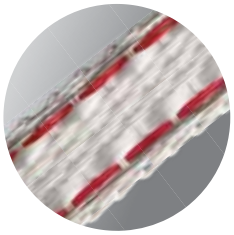
VERSATILITY AND EASE

Temporary electric fencing helps to increase production by providing a quick, easy and inexpensive way to subdivide paddocks. This portable fencing solution gives you the versatility to strip graze, make temporary paddocks or pens and protect trees and crops from damage by stock.



12 MM TAPE

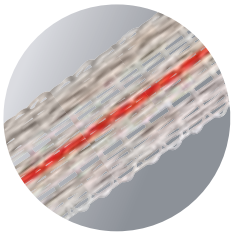
Extreme Tape 12 mm



Product code:
880 0000-772 (200 m roll),
880 0000-514 (400 m roll)

- 6 tinned copper strands
- 106 times more conductive than standard Politape
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- Heavy duty tape, tightly woven for superior strength
- 12 mm width with white and red weave for ultimate visibility
- UV stabilised for long life

Politape 12 mm



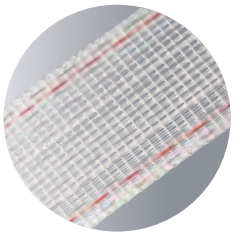
Product code:
880 0000-876 (white, 200 m roll)
880 0001-794 (orange, 200 m roll)
880 0001-793 (white, 400 m roll)

- 6 stainless steel strands
- Ideal for temporary fencing and strip grazing
- Tightly woven for superior strength
- 12 mm width with orange and white weave for high visibility
- UV stabilised for long life
- Available in white or orange

12 MM TAPES	EXTREME TAPE	POLITAPE
RESISTANCE (OHMS / KM)	65	6,900
VOLTAGE AT START OF FENCE (V)	8000	8000
VOLTAGE AT 100 M (V)	7,900	3,200
VOLTAGE AT 500 M (V)	7,500	950
VOLTAGE AT 1 KM (V)	7,100	500

40 MM TAPE

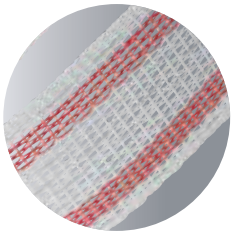
Extreme Tape 40 mm



- 5 tinned copper strands
- 5 stainless steel strands
- 99 times more conductive than standard Politape
- Ideal for long distance, permanent and semi-permanent fencing
- 40 mm width with white and orange weave for ultimate visibility
- UV stabilised for long life

Product code:
880 0000-244 (200 m roll)

Premium Tape 40 mm



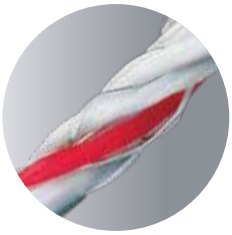
- 10 stainless steel strands
- 1.7 times more conductive than standard Politape
- Ideal for permanent and semi-permanent fencing or high traffic areas such as gateways
- 40 mm width for high visibility
- UV stabilised for long life

Product code:
880 0002-241 (white, 50 m roll)
880 0001-969 (white/red, 100 m roll)
880 0001-795 (white, 200m roll)

40 MM TAPES	EXTREME TAPE	PREMIUM TAPE
RESISTANCE (OHMS / KM)	70	4,000
VOLTAGE AT START OF FENCE (V)	8000	8,000
VOLTAGE AT 100 M (V)	7,900	4,400
VOLTAGE AT 500 M (V)	7,500	1,600
VOLTAGE AT 1 KM (V)	7,000	900

WIRE

Extreme Wire



- 6 tinned copper strands
- 105 times more conductive than standard Poliwire
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- UV stabilised for long life
- White with red weave for ultimate visibility

Product code:
880 0000-212 (200 m roll)
880 0001-038 (400 m roll)

Poliwire

- 6 stainless steel strands
- An economical choice for temporary fencing and strip grazing
- UV stabilised for long life
- Available in white or orange

Product code:
880 0000-701 (white, 200 m roll),
880 0000-219 (orange, 500 m roll),
880 0000-319 (white 500 m roll)

WIRE	EXTREME WIRE	POLIWIRE
RESISTANCE (OHMS / KM)	65	6,800
VOLTAGE AT START OF FENCE (V)	8,000	8,000
VOLTAGE AT 100 M (V)	7,900	3,400
VOLTAGE AT 500 M (V)	7,500	1,000
VOLTAGE AT 1 KM (V)	7,100	550

BRAID AND ROPE

Extreme Braid 7 mm

Product code:
880 0002-167 (200 m roll)

- 4 tinned copper strands for ultimate conductivity
- 4 stainless steel strands for ultimate strength
- 68 times more conductive than standard Poliwire
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- White with red weave for ultimate visibility
- UV stabilised for long life

Extreme Braid 3 mm

Product code:
880 0001-796 (200 m roll)
880 0004-404 (500 m roll)

- 4 tinned copper strands
- 72 times more conductive than standard Poliwire
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- White with red weave for ultimate visibility
- UV stabilised for long life

Bungy Cord

Product code:
880 0000-844 50 m spool

- Heavy duty electrified shock cord with supreme elasticity
- 4 stainless steel wires cross over 10 x per cm for maximum conductivity
- Suitable for all livestock
- UV stabilised for long life

BRAID AND ROPE	EXTREME BRAID (7 MM)	EXTREME BRAID (3 MM)
RESISTANCE (OHMS / KM)	100	95
VOLTAGE AT START OF FENCE (V)	8,000	8,000
VOLTAGE AT 100 M (V)	7,900	7,900
VOLTAGE AT 500 M (V)	7,300	7,300
VOLTAGE AT 1 KM (V)	6,700	6,700

GEARED REELS

Geared Mega Reel

- Holds 1,000 m poliwire or 400 m politape (12 mm)
- 3:1 gear ratio with a solid steel crank
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system

Product code: 880 0001-042 (each)

Geared Reel

- Holds 500 m poliwire or 200 m politape (12 mm)
- 3:1 gear ratio with a solid steel crank
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system

Product code: 880 0000-434 (each, with ZAMMR Handle)

REELS AND MOUNTING POSTS

Econo Reel

- Holds 500 m poliwire or 200 m politape (12 mm)
- 1:1 gear ratio
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system
- Innovative notch frame design for easy and secure fence attachment

Product code 880 0000-999

Mini Reel

- Holds 200 m poliwire or 100 m politape (12 mm)
- 1:1 gear ratio
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system

Product code: 880 0000-637 (each)

Reel Mounting Posts

- Sturdy galvanised steel construction
- Includes: anchor chain
- Reels not included

Product code: 880 0000-482 (3 Hole Galvanised)
880 0002-347 (4 Hole Galvanised)

POSTS

Pigtails

- Galvanised spring steel construction
- UV stabilised for long life
- Unique rugged crimped foot design for durability
- 790 mm fence height (960 mm total height)

Product code:
880 0000-010 (10 pack, 790 mm)

Heavy Duty Tread-In

- 9 positions available in 860 mm fence height (1060 mm total height)
- 11 positions available in 1290 mm fence height (1500 mm total height)
- Designed for maximum strength and versatility
- Suitable for poliwire, tape up to 40 mm or rope and braid up to 8 mm
- UV stabilised for long life
- Rugged "H" profile post
- Galvanised metal spike
- Extra long length suitable for equine

Product code: 880 0000-497 (860 mm, 50 carton),
880 0000-834 (1,290 mm, 50 carton)

GENERAL ACCESSORIES

Plastic Tread-In

- 8 positions available
- Lightweight design
- Suitable for poliwire, 12 mm tape or rope and braid up to 8 mm
- UV stabilised for long life
- Galvanised metal spike
- 860 mm fence height (1060 mm total height)

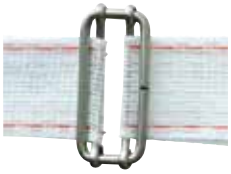
Product code: 880 0001-660 (860 mm, 50 carton),

Jumper Leads

- Recommended for ensuring good electrical connections in temporary fencing
- Joint clamps are recommended for permanent electric fencing

Product code: 880 0000-312 (single lead,1 pack),
880 0000-666 (triple lead, 1 pack)

Wide Tape Joiner 40 mm



- Use to join up to 40 mm wide tape
- Made from stainless steel

Product code: 880 0000-471 (5 pack)

Works better together.

Tru-Test DATAMARS

Tru-Test's range of weighing and electronic identification solutions help farmers to improve productivity and profitability.

tru-test.com

Z TAGS DATAMARS

Providing farmers with their identification needs for over 20 years, Z Tags products include visual tags, radio frequency identification tags and innovative applicators that make tagging livestock easy, safe and compliant.

ztags.com

Pel DATAMARS

PEL electric fencing solutions have been at the forefront of rural development since 1968. Bringing clever ideas to farmers and the agricultural industry, PEL products focus on making the small, everyday tasks on farm easy and effortless.

pel.co.nz

We're committed to delivering a broader, integrated animal management portfolio, so we've united our product brands under one family – Datamars Livestock.

The Datamars Livestock family of products includes Tru-Test and Z Tags, complemented by solutions from Speedrite. Datamars Livestock provides a complete livestock management eco-system for sheep, cattle and dairy farmers. Our goal is to help you breed the best possible genetics, rear animals to target weights and sell at the best possible price.

Our products work with each other, but most importantly - they work with you.

Contact your local Datamars Livestock Sales Manager to find out more.

livestock.datamars.com

Simcro™ DATAMARS

A global leader in animal health delivery systems, Simcro partners with the animal health industry globally to provide veterinarians and farmers with solutions for safer and more effective administration of animal vaccines and pharmaceuticals, maximising animal health and wellbeing.

simcro.com

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NJ Phillips products have been in the market for over 90 years, serving animal health, horticulture and the forestry industries. Accuracy, quality and ease of use are hallmarks of NJ Phillips products, including a range of injectors, topical and oral applicators as well as specialty packaging.

njphillips.com

DATAMARS

Livestock

livestock.datamars.com

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