

HV JUICE

ALLIED INSULATORS AIR BREAK SWITCH | PAGE 6



MAKE
THE
SWITCH



Allied Insulators



PROTECTION & PREVENTION BEFORE YOU NEED IT



When it comes to protecting the network, as well as vulnerable and endangered wildlife, prevention is frequently better than the cure. TE Connectivity (TE)'s wildlife and asset protection products and systems provide a proven, cost-effective and easy-to-install solution to bird, animal, weather, and vegetation related outages.



THE COST OF FIRES

Improved fire safety and operating reliability helps utilities avoid the catastrophic implications of wildlife-related fires, including:

- Injuries and loss of life
- Damage to (and loss of) power grid assets
- Service interruptions and power outages
- Environmental hazards and danger to staff
- Damage to agricultural and horticultural assets
- Regulatory penalties and litigation
- Reputational damage and damage to shareholder value

For most utilities, the ability to avoid even one potential outage could justify the cost to upgrade the system with appropriate protections.

CONSIDERATIONS FOR ASSET PROTECTION

It is essential to select polymeric formulations that can withstand the harsh operating conditions most overhead lines and substations routinely experience — including high-voltage stress, pollution buildup, pollution induced arcing, flashover, elevated temperatures and mechanical stress. The three most critical material science performance attributes to consider when specifying AP components are these:

- Tracking and erosion resistance (TERT)
- Ultraviolet (UV) resistance
- Thermal endurance

WILDLIFE MANAGEMENT

Localised fires caused by animals like birds or possums infiltrating overhead lines and substations are often the result of electrocution. We can help prevent animal induced bushfires with our wide selection of insulating wildlife mitigation solutions, including bushing covers, cross arm guards and more. All are manufactured from our unique Raychem polymer and specially formulated to resist tracking, UV degradation, & thermal extremes.

VEGETATION MANAGEMENT

Vegetation can act as a fuel to a fire when combined with an ignition source, and a vegetation management program is therefore essential to reducing the risk of wildfires and bushfires. We can help you prevent vegetation clashing with conductors and overhead lines while reducing the frequency and expense of trimming and debris removal with reliable safeguards such as overhead line covers and insulators.

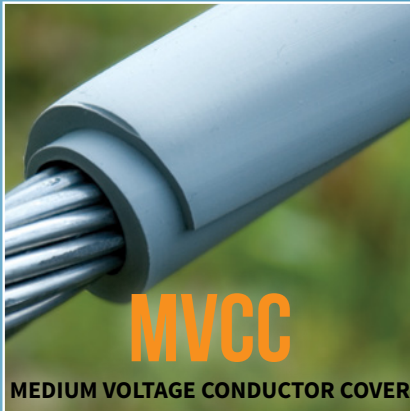
GRID HARDENING

Ageing infrastructure coupled with severe weather can increase the likelihood of bushfires and wildfires, so hardening your grid must be part of any fire mitigation plan. We offer a complete range of insulators and arrestors designed to protect the grids of tomorrow. We can help you identify weaknesses and decide upon the most cost-effective measures to strengthen your grid, whether that means underground solutions, conductor replacement or arrestor location, and more.



FIRE-RELATED OUTAGES CAUSED BY WILDLIFE AND VEGETATION GENERALLY FALL INTO TWO CATEGORIES:

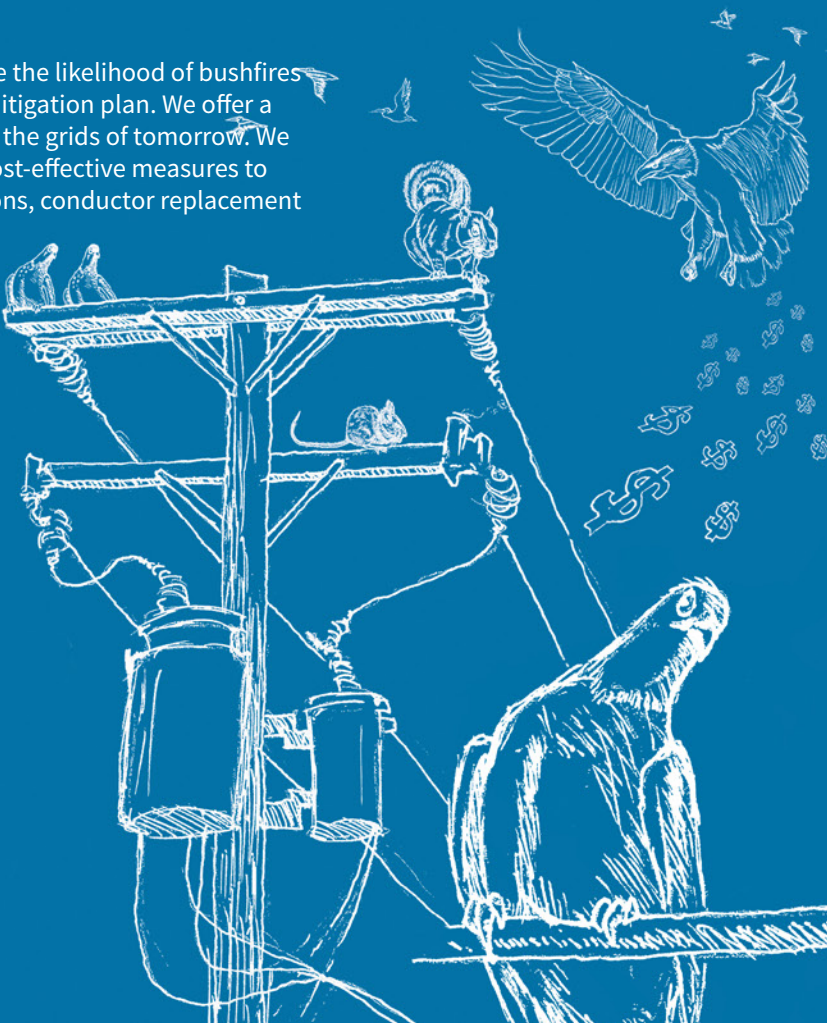
- **Phase-to-earth faults.** These occur when wildlife or debris forms a conductive pathway connecting the equipment phase to the ground
- **Phase-to-phase faults.** These occur when two adjacent phases collide or are momentarily connected via wildlife or debris, producing hot, molten metal particles



VIEW
THE
RANGE



ANIMALS AND VEGETATION
CAUSE **UP TO 30%** OF
OUTAGES GLOBALLY.

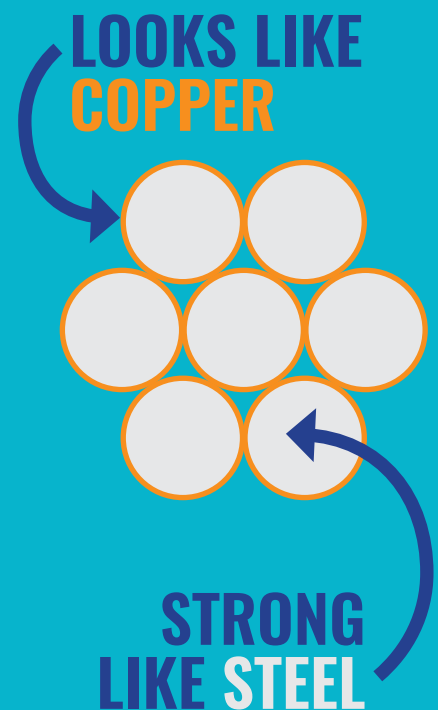




COPPER THEFT IS ON THE RISE!

THE SOLUTION? COPPER CLAD STEEL CABLE!

Are you experiencing Copper theft on your network? We have the solution to reduce the incidence of these thefts, retaining the integrity and safety of your network.



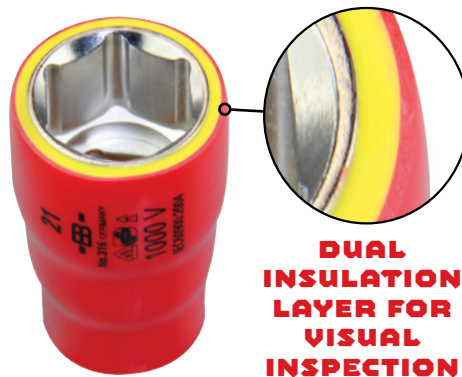

nvent
ERICO



CABLE JOINTERS TOOLKITS

With three kits to choose from, the CABLEJOINTINGKIT is the ultimate resource for any cable joiner. A kit suited to jointing cables on LV and MV networks, it includes 25 tools in all. Prepared by Cable Jointers for Cable Jointers it is packed in a custom made canvas tool roll to keep the tool insulation protected, the CABLEJOINTINGKIT has a range of tools specific to preparing and terminating cables. To make this kit even more specific to MV and HV applications you can add any of the MV specific stripping tools we offer.

All insulated tools in these kits are tested in accordance with IEC 60900:2004 and are rated to 1000V. The double insulation layer offers a visual confirmation of the integrity of the insulation as the inner layer is yellow and the outer layer is red, any damage will be obvious during visual inspections. Additional tools can be purchased separately if desired, the range is extensive and we understand personal preference is important with Cable Jointing.



DUAL INSULATION LAYER FOR VISUAL INSPECTION



1. BASICJOINTKIT2

13 tools including hack knife, sockets, wedges, hacksaws and reversible ratchet

2. BASICJOINTKIT1

16 tools including all of the BASICJOINTKIT2 tools as well as allen key T-bar, cutters & pliers

3. CABLEJOINTINGKIT

The ultimate kit, 25 tools in all, this kit includes the tools in the BASICJOINTKIT1 as well as a ruler, hammer, knives, additional pliers, cutters and allen key sockets.



**ORDER STANDARD OR CUSTOMISE WITH ADDED EXTRAS
CALL US NOW TO ORDER**



FIND OUT WHY UTILITY COMPANIES IN NEW ZEALAND ARE MAKING THE SWITCH

KEY FEATURES

- **330 mm open contact clearance distance on 11 kV ABS** as per MAD clearance
- **Interlock bolt & padlockable handle**
- Operation by hand or hookstick
- Modular Design offers multiple configurations & mounting
- Pre-assembled kits boast installation time of less than 15mins
- Ground level operating handle available

IT'S TESTED!

Manufactured and tested in accordance with IEC 30265-1, IEC 60694, IEC 62271, BS EN 60129 and ENATS 41-36 at Allied Insulators' ISO 9001 approved UK factory.

EXCLUSIVE FEATURE

Hook stick operating handle can be positioned at the height of your choice



Spring loaded contact area

Padlockable handle for user protection

Wide 330mm open contact clearance distance on 11kV ABS



Designed & manufactured in the UK



Assembled & customised to your specifications in NZ



Allied Insulators



Little Giant[®] Ladder Systems

USE WITH



Audible Ground Cue



Modified 'D' Rung



Safe Climbing Even with Gloves

STRONGER! LIGHTER! SAFER!



SAFETY FEATURES

- Side Mount Ropes giving clear climbing space
- Audible Cue Bottom Rung
- Integrated 4 in 1 Incline Level on side of Ladder
- 50mm Wider Climbing Area
- Space between Rungs allows for Gloved Hands climbing
- Sure-Set Feet won't shift
- Meets all relevant sections of ANSI A14 and AS1892.1;2018 Standards*
- Meets requirements ANSI Standard listed in Section B of the NZ EEA Guide- Portable Equipment for Work on or near Conductors
- 16'-32' Models Rated/Tested 170KG
- 36'-40' Models Rated/Tested 150KG
- Ladder Tethering System designed to secure Ladder to the Pole

*selected models tested to AS 1892.1 2018, with 150kg rating



AEROFAST LADDER SAFETY SYSTEM - LSS-25

FEATURES

- 25mm heavy duty webbing
- Quick and easy to use Camlock buckles
- Each leg can be tensioned separately to allow for maximum flexibility in setup
- Fixing strap can either wrap around a pole or be attached directly using carabiner hook
- Safe and secure carabiner hooks
- Break strength 750kg
- Adjustable length up to 2.2m
- Can be customised to suit requirements



NEW





Blundstone®

TASMANIA AUSTRALIA • 1870



FREE

BAMBOO SOCKS WITH ANY PAIR OF ROTOFLEX SAFETY BOOTS*

*WHILE STOCKS LAST

FORTALITE®



**COMPOSITE
TOE CAP**

**SEE FORTALITE
TECHNOLOGY
IN ACTION**



**AIRPORT
FRIENDLY**



TransNet test to **F4214**
EH Resistant Footwear
prior to shipping

GRIPTEK® HD



**140°C
RESISTANT**



**FUEL OIL
RESISTANT**



**SLIP
RESISTANT**



**ELECTRICAL
HAZARD
RESISTANT**



SOFTCELL®



**WATER
RESISTANT
UPPER**



**WIDE
FIT**



AIRCELL



**ZONED
AIRFLOW
FOOTBED**

- Black (#8561) or Wheat nubuck (#1560) water-resistant leather upper safety boot — 150mm height
- 7 eyelet lace up with unique metal free, friction resistant lace rings
- Laces are manufactured from recycled PET
- Durable, heavy duty zip with industrial grade zip fastener
- New lining made from recycled PET offers moisture wicking and long lasting performance
- Streamlined TPU toe guard for added leather protection



ROTOFLEX®

#8561 UNISEX BLACK ZIP SIDED BOOTS

Biomechanically engineered for all-day comfort and safety, the black #8561 features Blundstone's new Fortalite composite toe cap for lightweight and long-lasting protection.



ROTOFLEX®

#8560 UNISEX WHEAT NUBUCK ZIP SIDED BOOTS

The pinnacle of our RotoFlex range, the wheat #8560 combines world-leading design, an all-new comfort system and composite toe protection, with the legendary durability you know and love.



MAKE SAFETY THE PRIORITY

TN277NZHP HIGH VOLTAGE DETECTOR

The TN277NZHP is an ideal tool for checking the presence of AC high voltages and AC low voltages in cables, wall outlets, fuses etc. It provides a non-contact detection for AC voltages from 50V ~132kV. It is also suitable for industrial and utility safety applications.

FEATURES

- Non-contact detection of live voltage
- Detect residual & induced voltages
- Sturdy tough case
- Meets requirements of EEA Technical Guide: Portable Equipment for Work On or Near Conductors
- Meets requirements of ASTM F1796-09, IEC 61243-1 & IEC 61243-2
- 2 ranges for selection:
LOW : 50V~1.5kV
HIGH : 1.5kV~132kV
- Circuit test function
- Low power consumption

APPLICATIONS

- Non-contact detection of live voltages
- Check high frequency radiation
- Detect residual or induced voltages

TECHNICAL SPECIFICATIONS

Operating Temp	0°C ~50°C
Dimensions	318 (L) x 75 (W) x 71 (D)mm
Weight (incl. battery)	Approx. 277g
Power Source	9V (6LF22) x 1 Alkaline battery
Safety Standards	EN 61326-1 EN 61000-4-2 EN 61000-4-3
Accessories	Instruction Manual, Carry Case, Battery



TNVOT-53 VOLTAGE/ CONTINUITY TESTER

TNVOT53 is a CAT IV 600V voltage and continuity tester perfect for use by utilities and electricians alike. Featuring rubberised grips and bright LCD display, and with a 2 metre lead between the probes there is little chance of damage caused by stretching.

FEATURES

- 2000-count digital display (LCD type)
- Test leads positioned at 19mm apart
- Interchangeable probe tip for 2mm & 4mm
- 2m lead between probes
- Polarity test
- Audible continuity test.
- Auto sensing function for: voltage (AC/DC), Ω , diode
- Measurement function:
ACV/DCV: 1000V
Resistance: 2000 Ω
Frequency: 30Hz~1kHz
- Phase rotation test
- Waterproof design, protection class IP65
- Phase / Neutral identification
- Rubberised double-moulded housing
- Flashlight function
- Safety Standard:
EN 61010-1 CAT III 1000 V
EN 61010-1 CAT IV 600 V
EN 61243-3
EN 61326-1
- Supplied tested and tagged for immediate use



- ✓ PHASE ROTATION
- ✓ ACV DCV
- ✓ OHM
- ✓ PHASE/ NEUTRAL
- ✓ Hz FREQUENCY

SERIAL No:
VDD218157
Expires On:
18/03/2022

All units can come tagged & supplied with current test certificate



TN895PR NON CONTACT PHASE ROTATION METER



Safety is always a priority in electrical work environments. With its non-contact clips, the TN895PR has been designed to ensure greater safety for its users. Eliminating any electrical or short circuit accidents caused by accidental contact between two metal points.

FEATURES

- Non-contact detector clips
- Dual functions: Open phase and phase sequence detection
- Designed for checking a wider range of 3-phase power source from 75V to 1000V AC
- LED display lights with buzzer indicator
- Brightness button feature for better visibility
- Magnetic mounting feature
- CAT IV 600V

WE'VE GOT YOU COVERED

Strong, Light, Recycled Cable Cover



Auckland

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East Tamaki
Auckland
NEW ZEALAND
Ph 0800 442 182
PO Box 39 383
Howick, Auckland

Wellington

10 Petone Ave
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transnet@kalianet.to

A BOTTLE'S TALE

And the Link with TransNet's AS/NZ 4702 Cable Cover

TransNet Cable Cover (made by Astron) has an important part to play in recycling.

Our Cable Cover is manufactured in New Zealand from locally sourced used plastic waste. Astron collects post production and post consumer plastic waste with high levels of HDPE plastics in them to recycle and manufacture in many, many new products. One of those products is cable cover for TransNet, Astron have been producing high quality cable cover for us for over 20 years now.



VIEW THE RANGE



TRANSNET CABLE COVER IS:

- Made in NZ from recycled plastic with a high HDPE content
- No residues or contaminants are present in finished product
- The scrap plastic is collected from around the country and recycled at one of two Astron recycling warehouses, Auckland or Christchurch
- The high content of HDPE in our Cable Cover means it's consistently strong at a minimal thickness to conform to AS/NZ 4702 standard
- The Astron factory is ISO 9001 certified
- Being thinner also makes it lighter, reducing the chance of strain injuries and fatigue for workers
- We have the ability to manufacture custom widths if required
- All batches are tested and test samples are stored inhouse
- As well as in-house testing, our cable cover is tested at an independent laboratory



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