

HV JUICE



AMP



WEDGE PRESSURE TECHNOLOGY

PAGES 2 & 3



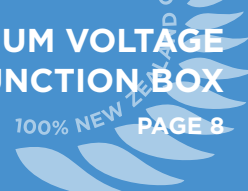
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SHEAR-LOK – WEDGE PRESSURE EARTH CONNECTIONS, EASY AS 1. 2. 3...



SHEAR-LOK is part of the AMP family. AMP is well known in New Zealand and around the world for expertise in wedge pressure technology, and the SHEAR-LOK offers the benefits of this technology. These connectors were designed for use on distribution networks for **highly reliable** ground rod connections.

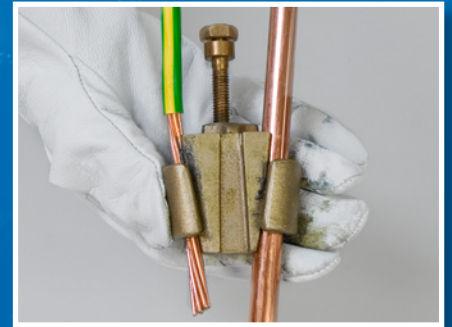
SHEAR-LOK connectors are a proven performer in NZ with **over 25 years** of experience. This connector range has been developed for applications in power utility industry where connectors are required to withstand mid range (20kA symmetrical RMS) magnitudes of fault current.

Don't be fooled by imitations. AMP SHEAR-LOK by TE has withstood the test of time right here in New Zealand - second to none.

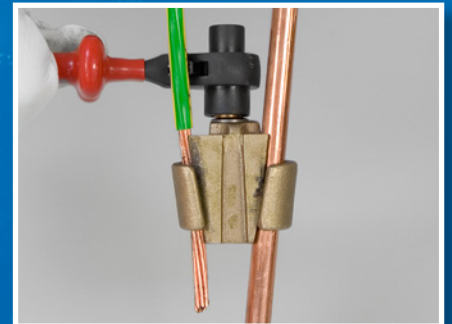
For more information please contact your local TransNet rep or our customer service team.

AMP

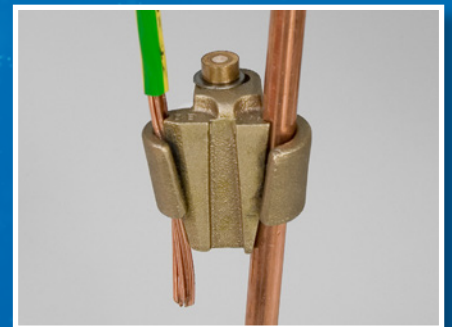
1 SHEAR-LOK connectors consist of a tapered C-shaped piece and a wedge joined with a shear head bolt. The rod and earth cable are positioned in the connector accordingly and the wedge is secured into position by hand.



2 Ensuring placement is correct, the shear head bolt is tightened using a six sided hex spanner or socket until the correct torque is reached and the head shears off



3 The connection is made - correctly everytime due to the shear head bolt which pushes the wedge into place as it is tightened.



KEY FEATURES

- Meets electrical requirements of IEEE 837
- Tested to 20kA for 2sec, 41kA peak
- Wedge Pressure Technology
- Shear head bolt – controlled torque for correct connection every time
- Removable without conductor damage
- No special tools
- Connector body and wedge made of high strength bronze, shear head bolt made of Silicone bronze
- Taps into existing ground conductors without the need to cut
- Range taking capability
- No molds or charges
- Lower applied costs
- Can be applied in any weather
- Can be applied at any angle
- Lower stores inventory
- No special storage requirements
- Application not inhibited by disfigured ground rod end – faster application

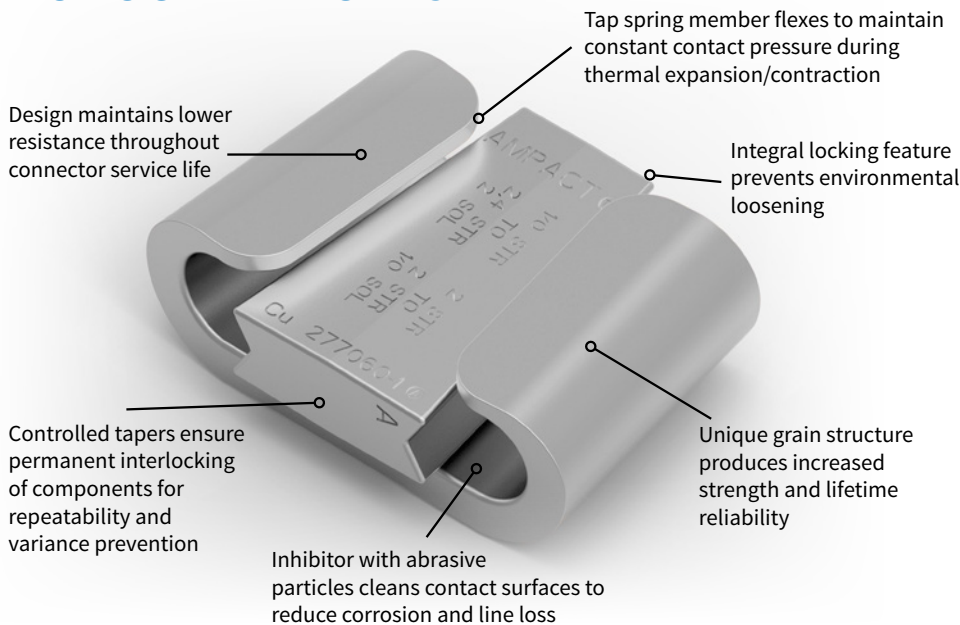
AMPACT - TAP THE TECHNOLOGY BEHIND THE WORLD'S MOST RELIABLE TAP



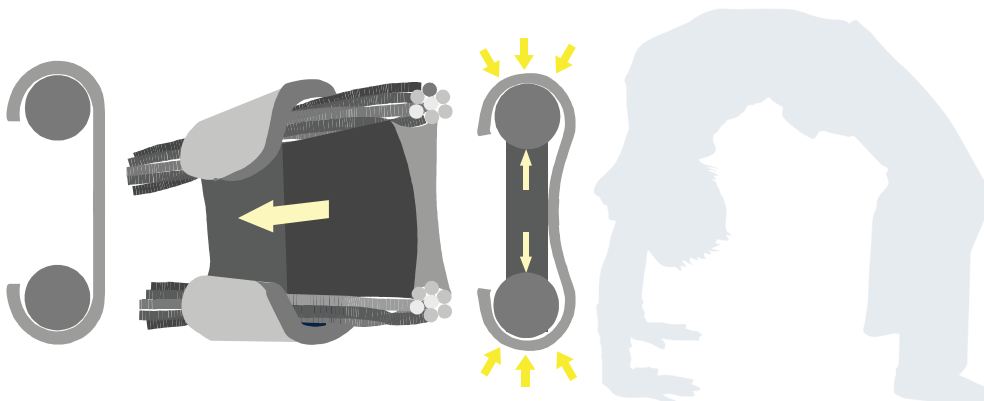
BENEFITS OF THE AMPACT SYSTEM

- Industry standard tooling - used throughout NZ
- No variables when using the proven "AMPACT System"
- The same quality connection every time
- Removable & reusable with no damage to conductors
- Gel covers available to ensure integrity of the connection in harsh NZ environments (especially in bi-metal situations)
- Lightweight - easy to use
- Fast installation time

PRODUCT FEATURES



IT'S ALL ABOUT HOW IT ARCHES ITS BACK



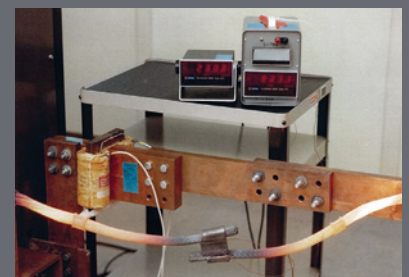
AMP FROM TE CONNECTIVITY - TRUST THE INVENTORS OF WEDGE PRESSURE CONNECTORS!

*Worldwide

**OVER
2.8 MILLION
INSTALLATIONS
PER YEAR***

**EXCEEDS
REQUIREMENTS OF
INTERNATIONAL
STANDARD ANSI
C119.4 CLASS AA**

**ENGINEERED
TOOLING
+
CORRECT
FORCE
=
PERFECT
CONNECTION!**



The AMPACT Connector's unique spring ability reduces resistance, helping the connector and connection remain cooler.

AMP

TE
connectivity



Panther Tails

Panther Tail is a flexible conductor cover with a unique two tone design (black outside, yellow inside) for ease of visual inspection. Perfect for LV applications, Panther Tails meet the requirements of AS 4202 Class I, Appendix B.

Supplied in a roll of 60m, with a special zip lock style fastening system, Panther Tails are quick and easy to install and can be cut to fit the required area exactly.

FEATURES

- Excellent weathering, UV, & abrasion resistance
- Low voltage or high voltage applications
- Lightweight and easy to install

Cat No. TPP15

60m LONG x 15mm DIAMETER, BLACK/YELLOW



Tiger Tails

Also known as line cover, Tiger Tails provide temporary electrical insulation, mechanical protection and visual warning of power lines and conductors. Used by utilities and electrical contractors, these robust units have decades of engineering and development to ensure the highest quality and safety standards. Made from HDPE plastic with a mechanical interlock fastening system. Certified AS4202, Class I and voltage rated 650V.

Cat No. DB.35A

2.5m LONG x 35mm ID, BLACK/YELLOW



balmoral engineering

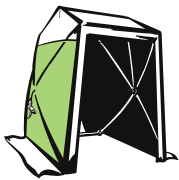


Get the work done, rain or shine



FEATURES

- No loose pieces to lose
- Set up or take down in 30 seconds by yourself
- UV & flame resistant
- Range of door designs
- Add your company logo
- Durable construction, stands up to strong winds
- Pre-set and custom sizes available
- Single and two door options available
- Quick Pak Flap for easy storage and transport



POP'N'WORK

Industrial Pop-Up Shelters & Umbrellas for Weather Protection

Pop'N'Work offers a complete range of quick & easy pop-up work shelters. The high quality & durability of these products is unsurpassed!

With the design flexibility to meet specific client needs we have

the ability to provide you with a truly customised, quality product. Customisations include branding with your logo or changing to your colours (MOQ required).

Job safety & productivity are

top level concerns for any business, & these products offer features that help to increase production levels while providing a safer working environment!



Ground Tents, Dielectric Aerial Tents, Canopies, Umbrellas, Customisation





NEW



Facing more shutdowns?

Minimise the number of customers affected with an inline switch.

Designed for use on all New Zealand MV networks, this kitset contains all the components you need to install an inline disconnect. Assembled, tested, and ready to go, this unit is perfect for emergency applications.

INLINE DISCONNECT FEATURES

- 15-35kV, 900A
- Polymer Insulator
- Silver plated cooper blades
- Marine grade 316 Stainless Steel

- Integral 90° blade stop
- Silver plated brass contact and hinge
- Tin plated copper terminals
- Pull to Open / Pull to Close operation

FLEXIBLE CABLE FEATURES

- 50mm² Flexible Cu Stranded Conductor (Class 6)
- Transparent PVC Insulation
- Meets requirements of IEC 61138 and IEC 60227-1



ALUMA-FORM[®]

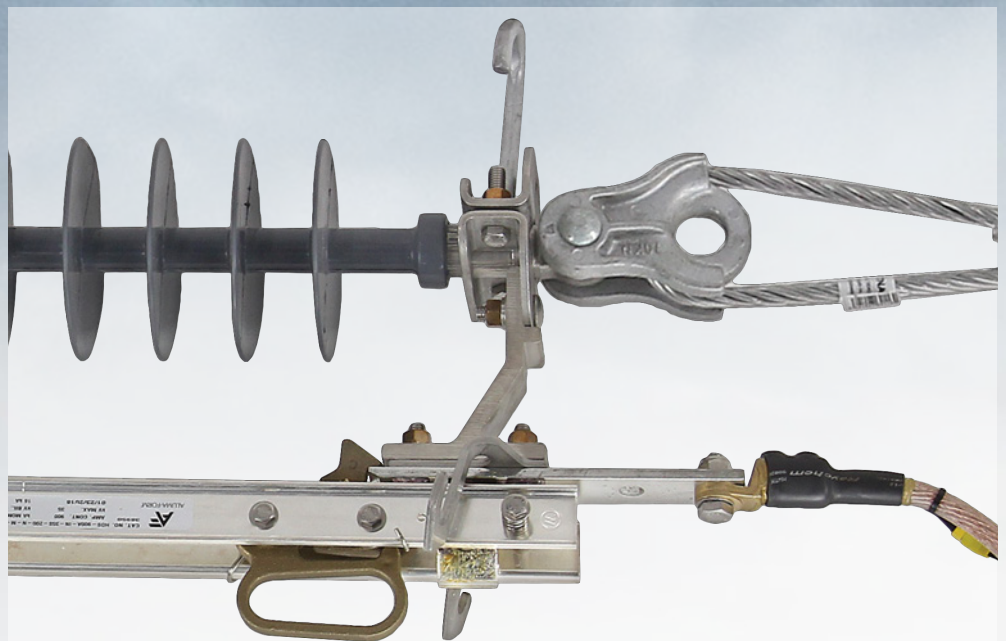
Product #
ILDIS-SWITCH-COMP

This kit contains the highest quality components including an Inline Disconnect Switch manufactured in the USA and suitable for 15-35kV & 900Amps.

Kitset designed and assembled in New Zealand.

KITSET COMPONENTS

- Inline Disconnect Switch
- Integrated turnbuckle with podger featuring removable handle
- Industry standard live line clamps for leads
- 50mm² Flexible Copper leads with clear sheath, 1.5m long





LOW VOLTAGE RESCUE KIT

Designed for use in emergencies around LV electrical systems, this LV rescue kit is perfect for all staff tasked with working on live LV electrical systems, whatever the location.

Supplied in a heavy duty yellow bag for ease of identification, it features clearly labelled essential emergency items with a contents list printed on the inside flap to ensure easy restocking.

FEATURES

- High quality components
- Complies with all relevant standards
- Essential for anyone working on live electricity and live poles
- Suitable for anyone at risk of electric shock including emergency services

KIT CONTAINS

- Electrosoft 1000V Electrical Gloves Size 10
- First Aid Booklet
- Multi Trauma Dressing
- 'Isolate Here' Sign
- LV Rescue Hook
- Eveready 2D Brilliant Beam Torch VAL2D
- Fire Blanket 1.2M x 1.8m AS/NZS 3504 Approved
- Heavy duty storage bag

FLAIR 213 FOR MV UNDERGROUND NETWORKS

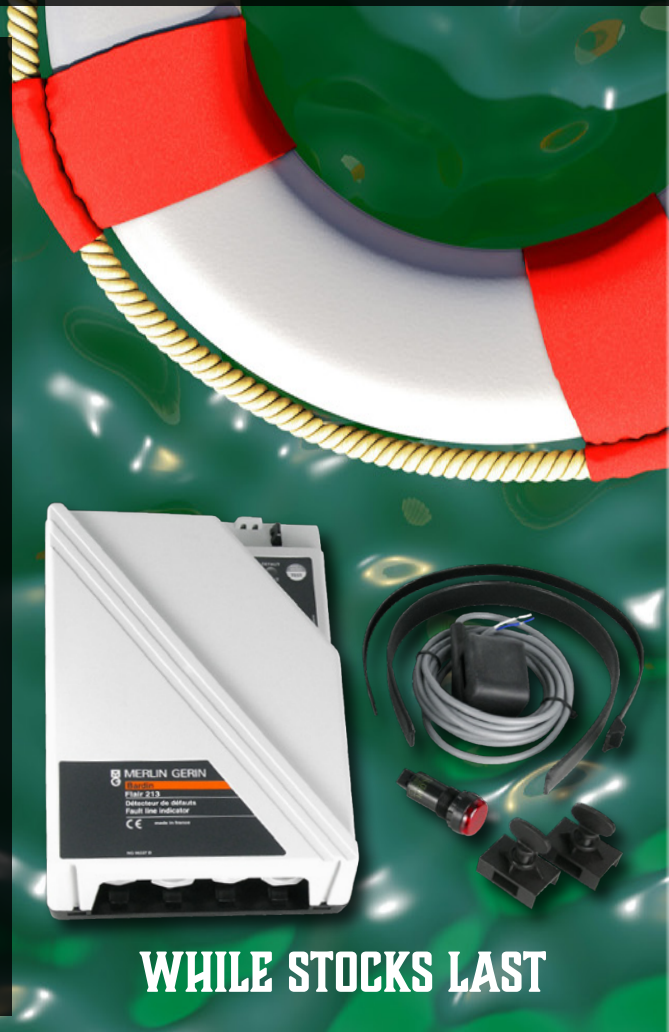
The Flair 213 is intended for indication of fault current passage in MV networks, and has been used by MV distribution utilities around the world to reduce service restoration time, improve customer satisfaction, and reduce the loss of revenue generated by the outage.

In case of a power failure, the utility must quickly find the source of the problem and undertake repairs. The Flair 213 Fault Indicator flashes whenever it detects the passage of fault current, indicating that the fault is located beyond its own position. The fault is always located between the last flashing and the first non-flashing indicator.

FEATURES

- System-wide adaptability, fully on-site programmable
- 16 phases to earth fault trip current values
- 4 sensing time delays
- 3 automatic reset modes:
 - Timer reset with 8 possible periods of time
 - Manual reset via push button
 - LV reset via 10 kV isolated input
- SCADA relay output
- Display option outside the kiosk/substation
- Long life lithium batteries
- IP54 protection IK7
- "Power save"/ECO feature
- Dimensions: 250 x 160 x 65mm, net weight 720g

FLAIR213KITS
\$395.00
 +GST



WHILE STOCKS LAST

Medium Voltage Junction Box

For Distribution Networks



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Howick, Auckland

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SAFE & EASY CONNECTION & DISCONNECTION

TE Connectivity's medium voltage junction box contains a set of Raychem screened separable connectors and facilitates the safe, easy, quick connection and disconnection of MV cables up to 24 kV. Suitable for usage in grid connection and wind turbines on and off shore. Supporting a wide application range, it represents a branching point for all cross-sections from 25 to 300 mm². The overall dimensions are compact and designed to take up a minimum of space, while full metal encapsulation gives reliable and insured service. With an IP66 rating and integrated bottom plate, the junction box is completely secured against water and dust ingress.

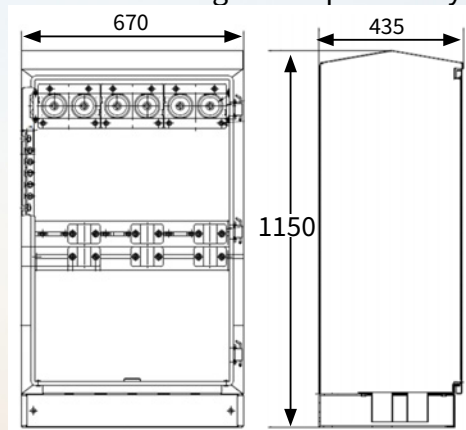
The MVJB is able to connect all Raychem screened separable connectors RSTI, Coupling Connectors RSTI-CC, & Surge Arresters RSTI-CC-SA. This allows easy accessibility to the capacitive test points for determining whether the circuit is energised as well as providing an opportunity to protect equipment from overvoltages. The possibility to monitor and detect the voltage ensures that it functions reliably and safely within the electrical system.

Tested according to CENELEC HD 629.1 S2, which includes BS, VDE and other international specifications.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

KEY FEATURES

- IP66 rated
- Application in grid connection and wind turbines in on shore and off shore environment
- Branching point for cross section combinations from 25 to 300 mm²
- Full metal encapsulation
- Easy accessibility to the capacitive test points
- Monitoring & detection of voltage
- Tested according to CENELEC HD.629.1 S2:2006 + A1:2008 and IP66 with integrated bottom plate



EVERY CONNECTION COUNTS



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