

HV JUICE

SAFER!
STRONGER!
LIGHTER!
GREENER!



EcoBlock!

PLASTIC POLE BRACING BLOCKS

P. 6



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www.transnet.co.nz



MUST-HAVE TOOLS

LE-325 #140/1 #110/1 200183

This ratchet action type cable cutter comes with a spare blade and is suitable for copper and aluminium cable up to 400mm².

Length: 280mm

Weight: 914g

Range: Up to 52mm OD, 400mm² AL & CU



Small single hand operated parrot beak style cutter, ideal for general applications. Precision blades make this tool ideal for cutting flexible Copper cables.

Length: 240mm

Weight: 460g

Range: 6 – 70mm²



Parrot beak style cable cutter for Copper and Aluminium conductors. Replacement blades available. Not for use with steel core conductors.

Length: 610mm

Weight: 1.8kg

Range: Up – 240mm²



This Heavy Duty Work Knife in Holster features a safety lock, belt loop & sharpener.

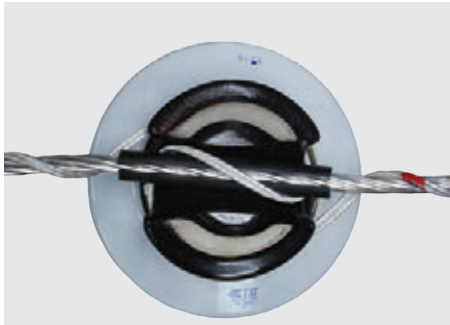
Length: 234mm

Blade Length: 80mm

Weight: 250g



HIGH QUALITY HELICAL TIES

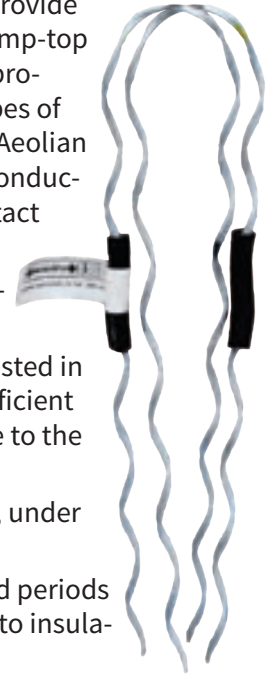


DISTRIBUTION TIES OFFER AN IMPROVED METHOD OF SECURING CONDUCTOR TO INSULATOR

TransNet's range of factory formed Helical Ties are designed to provide an improved method of securing the conductor compared to clamp-top insulators or hand ties over Armour Rods. TransNet Helical Ties provide superior abrasion protection for the conductor under all types of motion, including low frequency say oscillation, high frequency Aeolian vibration and galloping. The neoprene pad surrounds the bare conductor with a resilient cushion where the conductor comes into contact with the insulator and the centre section of the tie.

To ensure proper fit and service life, it is recommended that only insulators corresponding to: C-Neck, F-Neck, J-Neck or K-Neck be used.

Mechanical Strength: TransNet's Helical Ties are designed and tested in accordance with AS1154.3. The holding strengths are usually sufficient to contain broken conductors to a single span, minimise damage to the conductor and other pole components.



TransNet Helical Ties are designed to permit control and limited movement of unbroken conductor and, under certain conditions return the conductor to its original position.

Using Ties, abrasion cannot reduce the fatigue life of the conductor. However, where there are prolonged periods of Aeolian vibration which could lead to fatigue of the conductor or cause inner wire fretting or damage to insulator glazing, Spiral Vibration Dampers are recommended.



Radio Interference: The RIV characteristics of Ties are equivalent to those of a well-made hand tie when originally installed. During service life the Helical Tie assures continued fit, that will have better RIV than a loosened tie wire

Line Angles: On vertically mounted insulators Helical Ties can normally accommodate line angles up to 10°. For larger angles in single pin construction refer to the Side Tie.

For more information consult TransNet's technical experts.



Single Pin Construction range covers:

1. Distribution Tie
2. Distribution Side Tie (Line angles 0-30°)

Double Support pole range covers:

1. Double Support Tie (Inline up to 10°)
2. Double Side Tie (Line angles of between 0° and 80° with no more than a 40° angle at each insulator)

FEATURES OF TRANSNET HELICAL TIES

- **Durable Labels** – A water resistant coating keeps them legible and intact until you're ready to remove them.
- **Descriptive Codes** – Easily identify the right fitting.
- **Test reports available** – Highest quality product with guaranteed performance.
- **Familiar Colour Codes** – Removes confusion over selection of correct parts.
- **Ease of Installation** – No special skills or tools are required to install Helical Ties.
- **Custom Part Number** – If it's easier for your team to refer to your company part numbers we can have stock labelled with your part number.
- **Traceability** – Every individual fitting in each box is barcoded.



NEW GENERATION LV MAINS BRANCH JOINTS



TE Connectivity's New Generation LV Mains Branch Joints offer all the latest technology in one box. These TBJ kits accommodate 4 core XLPE, PVC & SWA or STA cables; solid, stranded, sector & round – Copper & Aluminium from 70–300mm² in just three units.

DESIGNED FOR SIMPLICITY



- The vacuum formed shell gives more room to accommodate the larger cables – up to 300mm².
- Kits are range taking so main and branch cable can be different sizes if necessary.
- The holes on the brush covers allow the resin to flow freely and encapsulate the connector and the shroud.
- The orange brush covers are rated to 5000V and offer a reliable and robust alternative to insulating patches. They reduce installation time and the risk of flashover while live jointing.
- UBR Connectors will accommodate solid, stranded, round and sector cables.
- Joint can be buried quickly, RAPID RESIN 4300 will gel after 15mins at 23° and has a curing time of 3hrs at 23° and 15mins at 80°.
- UBR connectors are tested to international standard IEC 61238-1. The moulded insulation shroud is tested to 5kV AC and 1kV DC.
- Connectors are Bimetal, simply wrap copper conductors in brass gauze.



Raychem
from TE Connectivity

Cat No.	Conductor Size		Cable Entry Diameter (mm)	
	4C Main Cable	4C Branch Cable	Min.	Max.
TBJ-1	70-150	70-150	35	67
TBJ-2	185-240	185-240	48	70
TBJ-3	300-300	300-300	70	77

For more information on these kits or for neutral screen or PILC kits please contact your local account manager or customer service.

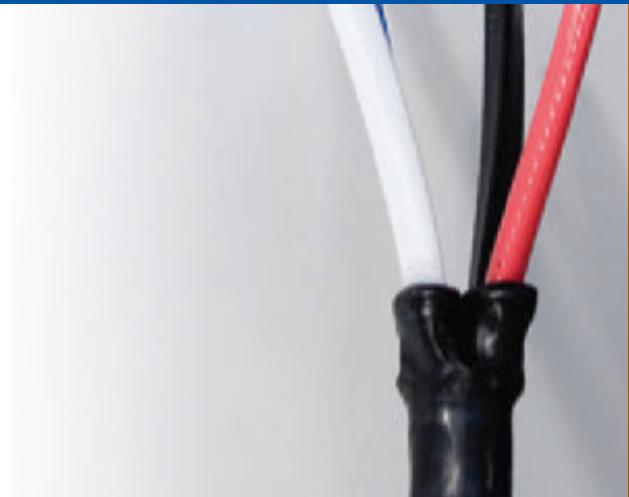


Insulating connector covers ensure installer safety & keep cores separated inside the joint.



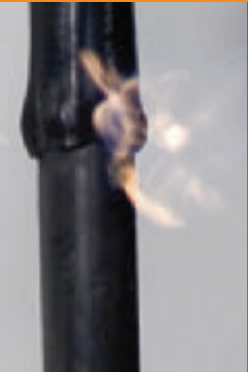
BREAKOUT BOOTS

Raychem low voltage heatshrinkable breakouts are an easily installed, lightweight insulation for sealing the crutches of plastic, paper and rubber insulated cables up to 1 kV. Requiring no special tools, installation is completed within minutes by simply heating the breakout, reducing the diameter to tightly grip the outer jacket and cores. The pre-coated sealant melts and reliably seals the cable crutch. Each breakout shrinks to fit several different sizes and types of cables, meaning smaller inventories. Made from semi-rigid cross-linked halogen free polyolefin, these breakouts also offer resistance to abrasion, weathering, and atmospheric pollution.



APPLICATIONS

- For sealing and insulating multi-core cables
- Resistant to corrosion and decay
- Waterproof
- IP68
- Inner adhesive wall
- UV Resistant
- Sealant lined



END CAPS VALVED & NON-VALVED

Raychem Cable Caps shrink when heated to tightly fit a range of cable sizes and constructions. At the same time a special sealant also melts and flows under the shrinking action, gripping the cable and ensuring a high-integrity moisture seal.

Our advances in materials science ensure that these crosslinked halogen-free polymer products also provide high quality electrical insulation while at the same time resisting abrasion, weathering, and chemical attack.

FEATURES

- Environmental sealing of all cable types
- Resistant to corrosion and decay
- Caps for pressurised and live sealing are available
- Operating temperature range -40°C to 120°C
- Inner adhesive wall
- Sealant lined
- Bonds directly to the cable jacket eliminating the need for additional components
- UV Resistant
- Easy to apply and remove
- Valved caps available for pressure feeding or testing

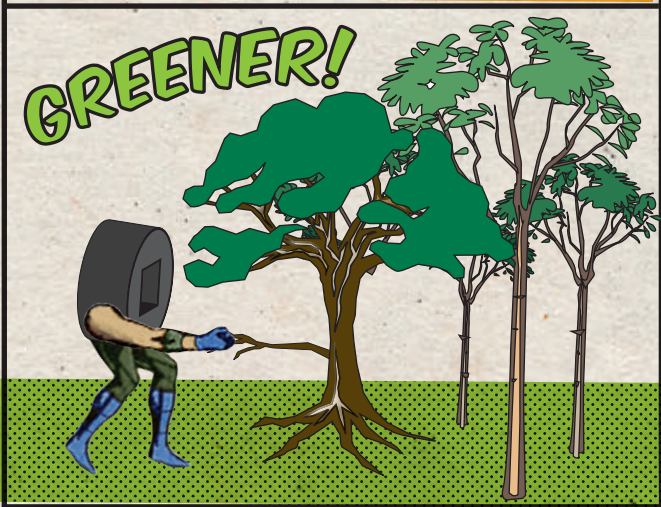


Raychem
from TE Connectivity

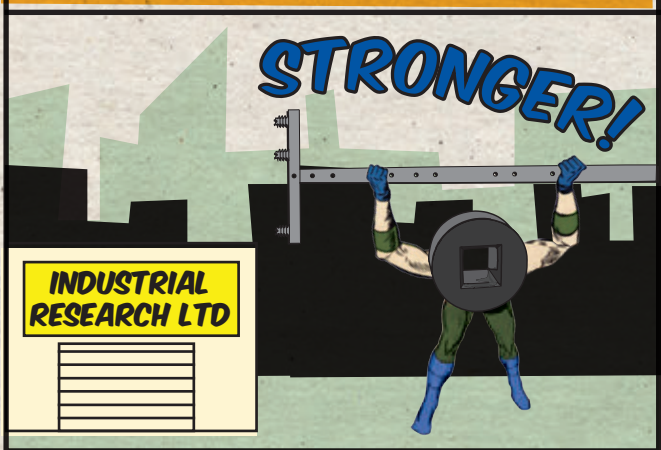
SAFER THAN THE REST! ECOBLOCK POLE BLOCKS



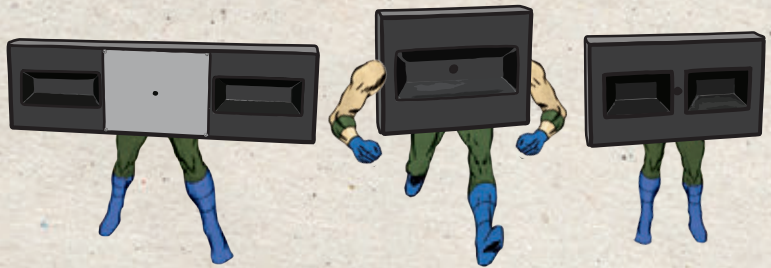
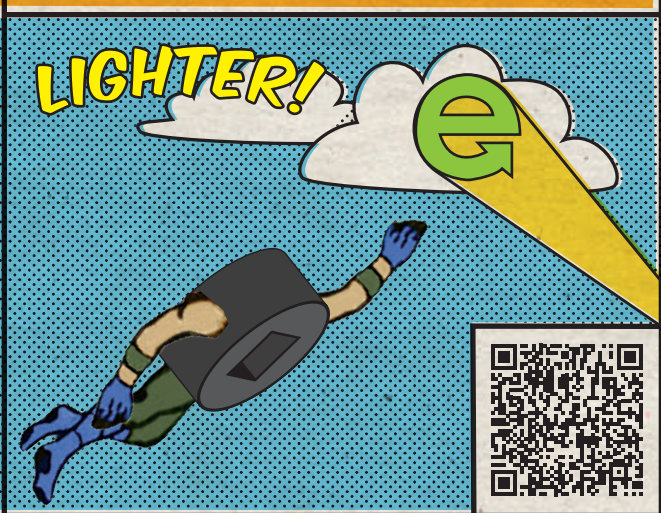
Manufactured from repurposed plastic, ECOBlocks are harm free to the environment throughout their long life!



Under stress testing at Industrial Research Ltd. concrete crumbled fairly easily, but the plastic newcomer continued to resist!



The average existing Breast Block weighs around 75 kg, while TransNet's ECOBlock Breast Block weighs 11kg!



WHEN REGULAR CONCRETE BLOCKS JUST CAN'T HACK IT...

ECOBLOCK!

Similar installed cost to concrete blocks with less risk

Lightweight and easy to transport - no need for hiab or fork hoists

Full range - includes heel blocks, breast blocks, donuts (for both Humes & Busck poles) and Anchor blocks.

Environmentally responsible - made from repurposed HDPE plastic and can be recycled

Safer - won't crack or break like concrete can



SAFER!

HEALTH & SAFETY AT WORK ACT 2015

According to the Health and Safety at Work Act 2015 workers have a duty to eliminate risks to health and safety if reasonably practicable. Now you know there's a safer solution to concrete blocks that can prevent strain or crush injuries, shouldn't you use it?



Part No.	Description	Dimensions (mm)			Weight (kg)	Strength (kN)
		Length	Width	Depth		
HB450	Heel Block	450	350	100	5	135
HBDNUT430	Single Pole Donut Block - Humes Pole	430 Diameter		225	10	200
HBDNUT480	Single Pole Donut Block - Busck Pole	480 Diameter		225	14	200
BB600	Breast Block	600	350	100	6	140
BB900	Breast Block	900	350	100	11	150
BB1200	Breast Block	1200	350	100	14	200
AB1200	Anchor Block - 10mm Plate	1200	350	100	25	20

Note: up to 200kN rated AB1200 is available on special request.



277HP | HIGH VOLTAGE | DETECTOR

The 277HP 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, utility and mine safety applications.

FEATURES

- Non-contact detection of live voltage
- Detect residual or induced voltages
- Check grounding equipment
- 2 ranges for selection:
LOW : 50V~1.5kV
HIGH : 1.5kV~132kV
- Circuit test function: Press the Test button to make sure the whole circuit is working well before testing actual high voltage circuits.
- Optional accessories: **HS-175** Telescopic hotstick (triangle-type) or **HS-120** Hotstick

Operating Temperature	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



AMPSTIK | HIGHVOLTAGE | AMMETER

The Ampstik's linear current sensors accurately measure loads from 1 to 5000 amps, as well as in low to high voltage environments of up to 500kV. The inductive sensor has no magnetic materials or moving parts and the housing is built to operate safely even in severe utility environments. The Ampstik is resistant to shock, water repellent, unsusceptible to flame, and operates in a wide temperature environment.

FEATURES

- Slips on and off the conductor with ±1% accuracy
- Open CT that rejects stray magnetic fields
- No moving parts
- Single button operation
- Sample and hold measurements
- Flame resistant housing
- SensorLink®
- Widejaw Ampstik Hotstick Mounted

APPLICATIONS

- Check current before breaking load
- Check for load balance
- Check CT Ratios
- Conduct load studies
- Identify cold load pickup problems

OPTIONAL HARD CASE



CLEAR YOUR SCHEDULE

Up-and-Coming Industry Events



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EEA ANNUAL CONFERENCE

WEDNESDAY 21ST TO FRIDAY 23RD JUNE

The annual EEA Conference and Trade Exhibition is coming to Wellington this June, and as always TransNet will be along for the ride with the latest technological innovations from the industry.

Every year this event attracts manufacturers, suppliers, asset owners and contractors from around the country and the world. It's a valuable time to catch up with people you haven't seen since the last event and a great opportunity for us as suppliers to display

some of the latest products we are bringing to market.

TE and TransNet have worked together to transform the concepts you want into fully developed and rigorously tested products. We pride ourselves on being the leaders in the industry, talking to our customers in order to fully understand their needs and design products that truly fit these needs. We hope to see you there and discuss what we can do to make your work smoother, faster, and simpler.



CONNEXIS ANNUAL CONNECTION 2017

TUESDAY 12TH - THURSDAY 14TH SEPTEMBER

Taking place in Mystery Creek, Hamilton this year, the Connexis Annual Connection provides Cable Jointers and Line Mechanics the opportunity to participate in an industry-wide competition.

With two events running over three days, competitors get the chance to showcase their skills all while under the pressure of a competitive environment. Participation encourages excellence in the chosen field, benefiting teams, employers, the wider electricity supply industry,

and even end users. TE is proud to be premier sponsor of the Cable Jointers Competition once again and TransNet has the honour of being premier sponsor of the Line Mechanic Competition.

Spectators are welcomed and encouraged, and with such a high class of participants this year it's sure to be well worth watching, so if you can, get down there to support your favourite competitor/s. And while you're there, stop in to check out our tent and chat to our staff!



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