

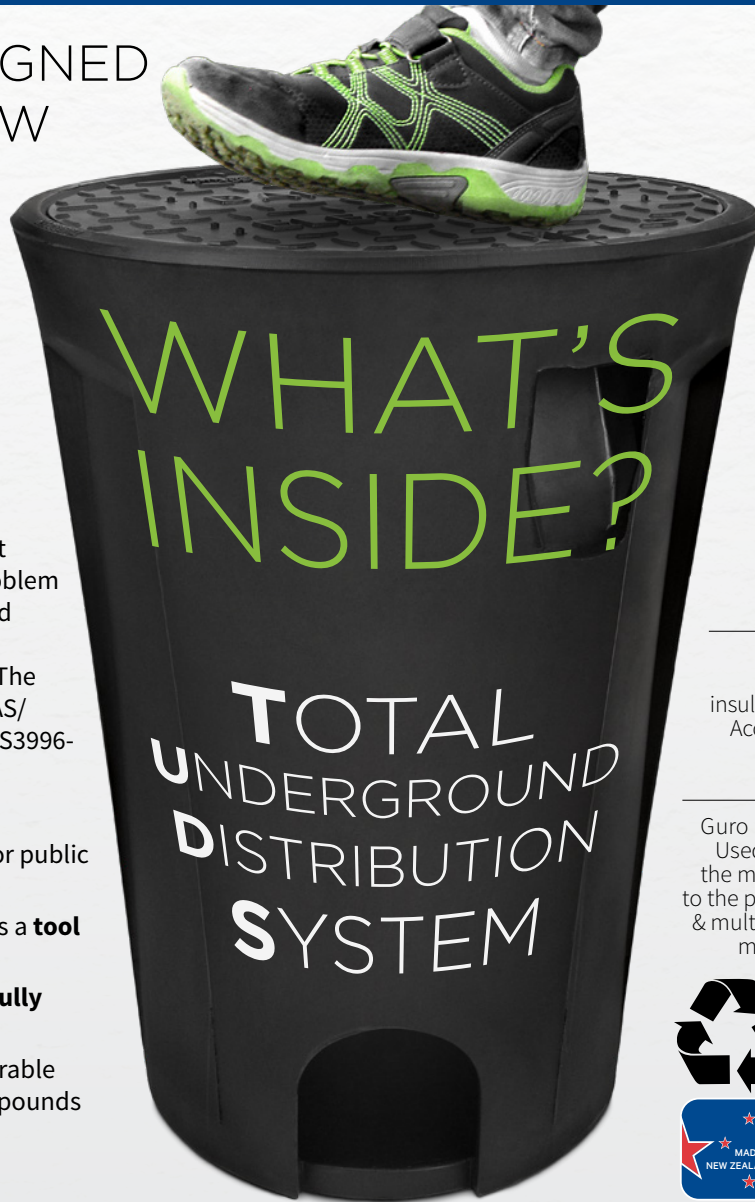
LV JUICE

PIT & LID DESIGNED
& MADE IN NEW
ZEALAND

TUDS is designed to house fusing for customer services safely, securely, and out of sight underground. TUDS is perfect for tight spaces, store frontages, infill housing situations, retirement villages, and locations where the landscape should be clean and uncluttered.

TUDS pits were designed and built here as a solution to a specific problem faced by a New Zealand utility, and have now been in use throughout NZ & the Pacific for twenty years. The enclosure itself has been tested (AS/NZS3661.1:1993 pedestrian slip, AS3996-1992 downward force) for Class B performance.

- **Unobtrusive, safe, & secure** for public - no exposed live wires
- Lid latches into place & requires a **tool for access**
- All fittings are **touch safe** and **fully submersible**
- Pit & lid manufactured from durable black **UV resistant** plastic compounds
- **Fully recyclable**
- Up to **100A** fusing possible
- Stainless steel **spring lock** available
- Cover sets available to provide **Class C & Class D** rated ability



LOADED WITH
COMPONENTS
CHOSEN &
IMPORTED FOR
NZ SPECIFIC
APPLICATIONS

Pit Fuse K199: Fully submersible design rated to IP68.



Gelport Connector: insulated multiport busbar. Accepts both copper and aluminium cable.



Guro MM5 Branch Joint Kit: Used to tap a supply from the main transformer cable to the pit. Can connect single & multicore main to single & multicore supply cable.



This Month

TRANSNET'S ELECTRIC VEHICLE FLEET

PAGE 2

STOCK UP YOUR RAYCHEM TAPE

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HIGH PERFORMANCE SOLAR STREETLIGHT KIT

PAGE 6

FREE POTTER BROTHERS CHOC

WHILE STOCKS LAST

When you spend over \$500 (+GST) on one invoice this month



www.transnet.co.nz



CLEAN DRIVING MEET OUR GROWING EV FLEET



Staff Electric Vehicles
- Five and counting

Green Energy
- 544 panel solar farm with 30kW/130kWh Vanadium smart energy storage system

Onsite Charging Stations
- Wallbox technology available for staff & visitors



TransNet's Electric Vehicles

We have added five electric vehicles and seven electric forklifts to our fleet so far and are looking to increase their numbers. These vehicles are powered from our on-site solar farm in East Tamaki, which generates the energy necessary for our staff to do everything they need to do when they need to do it. We also offer smart charging infrastructure in our range to simplify EV charging for homes and businesses. Our unique position in the market enables us to understand the demands of EV charging on supply as well as the desired charging of end users. Our team work closely with commercial customers to instil our first-hand knowledge of EVs and EV charging and how best to set up their charging infrastructure. Ask us how we can help you today.



Our Wallbox branded EVs demonstrate how electric vehicle technology can be integrated into everyday life.



TRANSNET MONTHLY GIVEAWAY SUPPORTING KIWI BUSINESSES

It's a new year and that means a talented new local producer has provided us with an amazing new treat for us to give you. This month's giveaway comes from Potter Brothers, a family run chocolate factory in Levin dedicated to handcrafted quality

confectionery with a 25 year history behind it. Potter Brothers focus on Kiwi classics and believe they have something for everyone, which is a sentiment we can get behind at TransNet! We've chosen

<https://potterbrothers.co.nz>

a couple delicious flavours, soft fudge milk chocolate and dark peppermint cream, and we hope they become your new favourites.





COOL DOWN THIS SUMMER WITH NZ'S LEADING LIGHTWEIGHT ARC RATED WORK GEAR

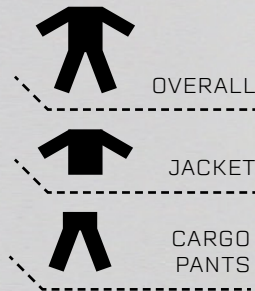
Made with LENZING™ FR – a sustainably produced, inherently flame-resistant cellulosic fibre – our Arc Armour PPE clothing range is not only comfortable, functional, and US NFPA 70E compliant, but also a durable and truly eco-friendly option for a variety of industrial applications.

- ▶ **Very lightweight - cool to wear**
- ▶ Rugged & durable
- ▶ Premium Grade HRC2/PPE2
- ▶ Proprietary 215gsm Arc Armour fabric

NEED COMPANY BRANDING?

Talk to us about getting your Arc Armour safety gear customised with your logo.

RANGE INCLUDES



VIEW THE RANGE



8.7 CAL HRC2

Rating clearly visible

**215gsm Woven
Lenzing Blend Arc
Armour fabric**

Adjustable cuffs & zip gusset

Inherently Flame Retardant, Antistatic and Arc Flash Protection

High tensile strength fabric

Non-conductive zips



**ARC
ARMOUR**





RAYGEL PLUS JOINT KITS

Raychem RayGel Plus Joint Kits offer quick, easy reliable sealed joints for low voltage applications. Enclosures offer a state-of-the-art sealed joint for underground, direct-buried and overhead applications.

RAYGEL PLUS SYSTEM

- Housing is made of Halogen free UV resistant Polypropylene
- RayGel PowerGel Sealant
- Some kits include connector blocks or connectors*
- Quick, easy, & clean installation

WIDE APPLICATION AREA

- Street, garden and pool lighting
- Connection of outdoor equipment
- Frost protection systems
- Cable trays and cable ducts
- For single-core cables from 10-50mm² & multi-core cables from 2x1.5 up to 5x16mm²

POWERGEL SEALANT FILLED

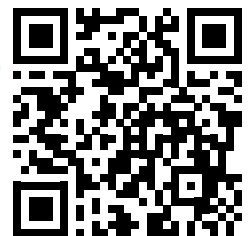
- Covers and seals every connection quickly and easily, saving time and effort
- Rated to 90°C continuous temperature
- Environmentally friendly

SOPHISTICATED ENCLOSURE DESIGN

- Optimised joint design with integrated strain relief and more space for the connection
- Flexible wave-like gel barriers (no tools required)
- Suitable for direct buried applications (IP68)

*UNIVERSAL CONNECTOR BLOCK

- Full range of branching capabilities without cutting of main cables
- Supplementary tool for insertion of sliding nuts
- Unique latchable connector block for even more effective and easy installation



Cat No.	Connector Included	Conductor Size (mm ²)		Dimensions (mm) L x W x H	Connector Size (Max mm)	
		Main	Tap		L x W x H	L x W x H
RAYGEL-PLUS-0	NO	2-3 × 1.5-2.5 (1 × 10-50)	2-3 × 1.5 (1 × 10-16)	100 × 37 × 24	26 × 24 × 16	
RAYGEL-PLUS-1	NO	3-5 × 1.5-2.5 (1 × 10-50)	3-5 × 1.5 (1 × 10-16)	139 × 51 × 24	26 × 38 × 16	
RAYGEL-PLUS-2	YES	3-5 × 1.5-6	3-5 × 1.5-6	233 × 78 × 40	INCLUDED	
RAYGEL-PLUS-3	YES	3-5 × 6-16	3-5 × 6-16	313 × 90 × 47	INCLUDED	

Raychem
from TE Connectivity





LOW VOLTAGE BUSBAR TAPE

Tape is adhesive coated and when heated will shrink and seal to itself.

APPLICATIONS

- Designed for areas of restricted access where tubing cannot be easily used
- LVBT is a general purpose, flexible, heatshrinkable insulating tape (adhesive coated)
- Colour: Black
- 1kV Voltage rating

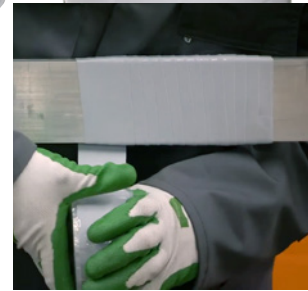


Cat No.	Length (m)	Width (mm)	Voltage Rating	Colour
LVBT-1-R	8	25	1kV	BLACK
LVBT-2-R	8	50	1kV	BLACK
LVBT-4-R	8	100	1kV	BLACK

MEDIUM VOLTAGE FUSION TAPE

Medium Voltage Fusion Tape (MVFT) is a self amalgamating tape which provides insulation enhancement and protection against accidentally induced discharge. 1 layer of MVFT tape 2/3 overlapped will provide AC voltage withstand to at least 15 kV increasing to 35 kV if a second layer is applied.

- Combines integrity of Silicone polymer with versatility of wrap around product
- Quick and easy to install
- Sticks to itself and other insulating materials but not metal or porcelain, allowing easy removal for maintenance



Cat No.	Colour	Width (mm)	Length (m)
MVFT-G-2-12	GREY	50	11

This flame retardant PVC Electrical Tape consists of a plasticised Polyvinyl Chloride film backing, coated on one side with aggressive Rubber-Resin adhesive with good ageing characteristics giving it excellent elasticity and adhesion properties.

Highly conformable and unaffected by moisture and most chemicals, this tape showed no flagging or deterioration even under temperatures as high as 80°C. Can be used for basic insulation, harnessing and general wire wrapping.

TECHNICAL DATA

- Nominal Dimensions – 0.18mm x 18mm x 20m
- Tape backing – PVC
- Adhesive – Rubber-Resin Adhesive
- Thickness – 0.18mm
- Adhesion – >0.45kg/25mm
- Tensile strength – >7kg/25mm
- Elongation – >100%
- Breakdown Voltage – >7kV



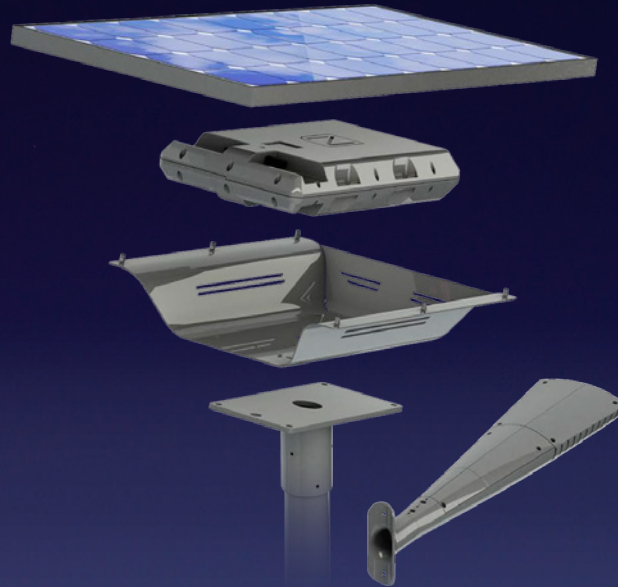
Cat No.	Colour
ITBK/10	BLACK
ITBL/10	BLUE
ITWH/10	WHITE
ITRD/10	RED
ITY/10	YELLOW
ITG/10	GREEN
ITRP	RAINBOW
ITGY/10	GREEN/YELLOW

INSULATION TAPE



Raychem
from TE Connectivity





ANTI-THEFT
SCREWS



MADE IN
FRANCE



RUGGED



5 YEAR
WARRANTY



LITHIUM



EASY
ASSEMBLY

LEDSOLAR-ST20-COMBI2

SOLAR STREET LIGHT KIT - 20W

This French-made LED 20W street light kit delivers exceptional performance, with excellent optical design and light distribution. The kitset is complete with all required components and is designed to work for 3 autonomous days, with the LED streetlight working on a pre-programmed schedule to ensure maximum efficiency and optimise the operating hours. The Lithium Iron Phosphate battery is placed under the Solar panel making it easy to assemble.



FEATURES

- 120 Wp Solar panel
- Solar panel orientable horizontally 360°
- IP66 Aluminium cast 696 Wh battery pack with electronic controller
- Aluminium cast IP66-IPK08 luminaire
- Flat tempered glass protection
- Powder coating included
- Side press-fitting
- Type II Optics

APPLICATIONS

- Suitable for P-cat applications, including parks, pathways, and subdivisions.

TECHNICAL SPECIFICATIONS

SOLAR PANEL

POWER / AREA 120 Wp / 0.80m²

DESIGN LIFETIME > 25 years

BATTERY

TECHNOLOGY Endurance +, Lithium Iron phosphate

CAPACITY 696 Wh

DESIGN Aluminium casing, IP66, fast connectors, located under solar panel

DESIGN LIFETIME > 10 years

LUMINAIRE

TEMPLATE GRIFF S, 16 LED

MECHANICAL DATA Cast aluminium - Plate tempered glass protection - IP66 IK08

POLE HEIGHT 5.0m

POWER CONSUMPTION 20W

LUMINOUS FLUX LEAVING 3600lm

LIGHT EFFICIENCY Up to 180lm/W

COLOUR TEMPERATURE 4000K // CRI > 70

DESIGN LIFETIME > 100,000 hours at 80% of initial flux

LIGHT CONTROL

ELECTRICAL 70W/-20°C +80°C / Efficiency 95%
Expected lifetime of 20 years

FUNCTIONS & LIGHTING MANAGEMENT Switch/off and/or dimming during night
Information storage

Calculation of the battery charge level

PROTECTION Deep discharge, Overload, Temperature, Short circuit

POLE & BRACKET

MAST MATERIAL Cylindro-conical powder-coated
galvanized steel

EN40 COMPLIANT Wind zone 36m/s (solar panel inclined at 15°)

FIXING CENTRE DISTANCE 200x200mm for 4.0 & 5.0m of light height



LV MULTI-PURPOSE CONNECTOR BLOCKS

EIGHT BLOCKS

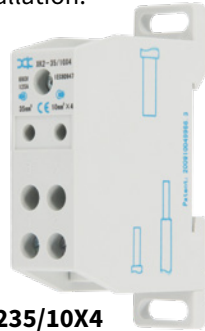
HUNDREDS OF INPUT/OUTPUT COMBINATIONS



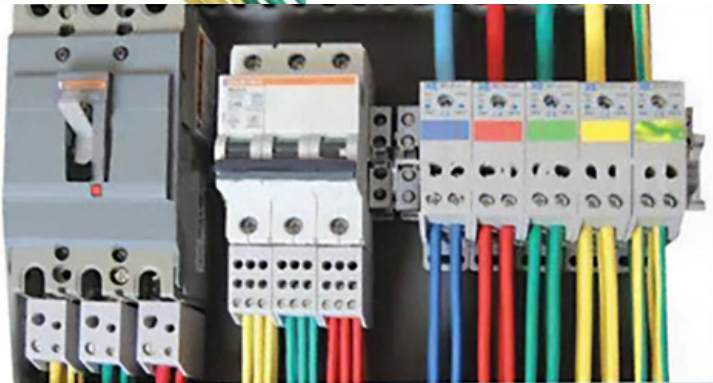
XK2 connector blocks are designed for a wide variety of electrical systems. They are a perfect upgrade for busbars, traditional power distribution blocks and strip connections. The unique socket design provides customers safe and reliable installation.



FOR INDOOR USE ONLY



TNXK235/10X4



FEATURES

- Provides hundreds of input/output combinations with internal and external parallel connection methods, giving wiring professionals remarkable flexibility
- Low-cost and reliable contact point design
- Sizes available from 10mm²-300mm² in and 1mm²-50mm² out
- Can be mounted on TN 35 DIN rail or on base-plate
- Passed UL 94 V-0 flammability test
- IEC 60529 IP20 rated safety protection
- IEC standard colour code (blue, red, yellow, green, and yellow-green)
- Fit for IEC 60947-7-1

Cat No.	Voltage (V)	Amp Rating (A)	Input Cable Size	Output Cable Size & Quantity
TNXK235/10X4	690	125	10-35 mm ²	4 X 2.5-10 mm ²
TNXK235/4X9	690	125	10-35 mm ²	9 X 1-4 mm ²
TNXK250/10X6	690	150	16-50 mm ²	6 X 2.5-10 mm ²
TNXK270/10X8	690	192	25-70 mm ²	8 X 2.5-10 mm ²
TNXK270/16X6	690	192	25-70 mm ²	6 X 4-16 mm ²
TNXK295/25X4	690	232	25-95 mm ²	4 X 6-25 mm ²
TNXK2120/16X8	690	309	35-120 mm ²	8 X 4-16 mm ²
TNXK2185/35X8	690	353	70-185 mm ²	8 X 10-35 mm ²

NEW THERMO CLIP™ OVER-TEMPERATURE INDICATORS FOR ASSETS

These easily-installed colour-changing clips help **reduce downtime** after a failure by providing a quick visual indicator of failed connections.

SIMPLE APPLICATION

Easy and quick push-on installation means no de-energising or disconnection needed.

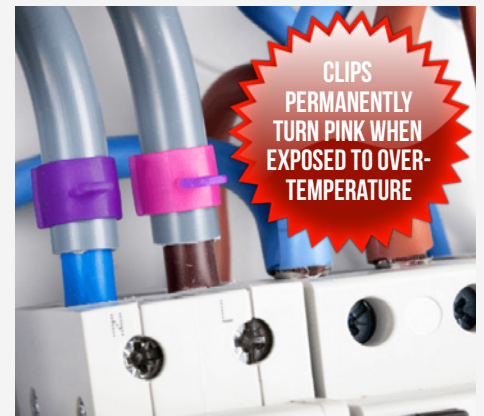
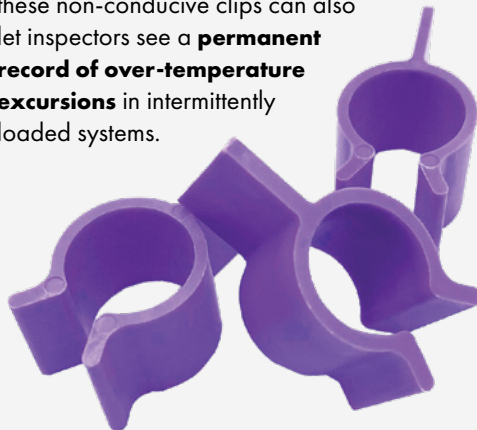
EASY TO READ

The thermochromic material provides a highly-visible predictive warning when viewing through inspection windows.

BROAD COVERAGE

Multiple models available to provide for varying wire sizes 2.3-31 mm diameter. Suitable for circuits rated 3-600 V AC or V DC.

Thermo Clips™ work as part of the **visual component in the inspection process** prior to and between infrared and ultrasound inspections. With a memory-effect feature, these non-conductive clips can also let inspectors see a **permanent record of over-temperature excursions** in intermittently loaded systems.



TIME FOR AN UPGRADE?

Essential Tester Promo Kit

MI3100S MULTIFUNCTION INSTALLATION TESTER



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The MI3100S EurotestEASI enables online voltage monitoring, phase sequence testing and earth resistance measurement. EurotestEASI is equipped with integrated characteristics of loop impedance limits and RCDs for PASS/FAIL evaluation of test results.

KEY FEATURES

- Built-in help screens for referencing on site
- Built-in NZ fuse tables for automatic PASS/FAIL evaluation of the line / loop impedance result in accordance to AS/NZS 3000

- Monitoring of all 3 voltages in real-time
- Automatic polarity reversal on 200mA continuity test
- Earth loop impedance test without tripping the RCD
- Built-in charger and rechargeable batteries as standard accessory
- Automated RCD testing procedure, RCD tripping time, or RCD tripping current measurement

MEASURING FUNCTIONS

- Insulation resistance with DC voltage from 50V to 1000V

- Continuity of conductors with 200 mA test current with polarity change
- Continuity of conductors with 7 mA test current without RCD tripping
- Line/loop impedance with PSC
- Earth loop impedance
- TRMS voltage and frequency
- 3-phase rotation
- RCD testing (general and selective, type AC, A, F)
- Earth resistance (3-wire method) with optional S-2026, 20m Earth Testing Set

MI3100STL78PROMO
MI3100S + MARTL78 + BENTROD KIT

\$1849.00 +GST



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