

TransNet



Your Partners in Power

Dec 17/Jan 18



LV JUICE



PENETRATIONS ARE ONE OF SEVEN MAIN AIR LEAKAGE POINTS



AIRSTOP WEATHER SEALS

SEALING SOLUTIONS FOR BUILDING PENETRATIONS



- Extremely flexible -
- Resistant to ageing -
- Integrated sealing plaster for airtight adhesion -
- Rubber heat-resistant up to 160°C (short term) -

ISOCELL



This Month

ELECTRIC VEHICLE CHARGERS & CHARGING STATIONS

PAGE 4

HOW DOES THE TUDS SYSTEM WORK?

PAGE 6

PASSIVE FIRE PROTECTION

PAGE 7

100% NEW

FREE BLUETOOTH SPEAKER

WHILE STOCKS LAST

When you spend over \$1000 (excl GST) on one invoice this month



www.transnet.co.nz



LV BIMETAL MECHANICAL LUGS

A TRULY BIMETALLIC FRICTION WELDED CONNECTOR

VCXI lugs consist of an aluminium barrel linked to a copper palm by friction welding technology. The aluminium barrel is provided with a shear head bolt controlling the tightening torque.

APPLICATIONS

For indoor LV applications

LV connection on busbar inside electrical panel and on compact type circuit breaker (new generation)

FEATURES & BENEFITS

- Accepts aluminium and copper cables
- Copper palm compatible with the palms of the apparatus to be connected
- Only 5 lugs will connect from 25 to 500mm²
- Can be fitted into the new generation of compact type circuit breakers
- Inner surface of aluminium barrel is grooved at the manufacturing stage and greased to ensure a good electrical contact with wire to be terminated
- Tightening torque controlled by shear head system
- No special tooling needed
- Only one bolt to tighten



Cat No.	Cross Section Range (mm ²)		Stud Size LB
	Aluminium	Copper	
VCXI-11-M6	25-70	25-50	M6
VCXI-14-M10	50-120	50-95	M10
VCXI-18-M10	95-185	95-120	M10
VCXI-22-M12	150-300	150-185	M12
VCXI-29-M16	240-500	240	M16

TRANSNET EARTH ROD INSPECTION BOX



**MADE
IN NEW
ZEALAND**

TRANSNET'S TNERIB is a custom-designed inspection box featuring a hinged latching lid for easy access. Strengthened for longevity, the TNERIB protects the integrity of the connection and is easily installed in footpaths.

FEATURES

- Heavy duty strengthened, hinged & latched lid
- Made from UV stabilised material
- Square to easily fit into paving work
- Easy to identify with embossed lid detail
- Extensive rain water access
- Custom designed and manufactured in NZ



#TNERIB





YOU DON'T CHANGE A WINNING COMBINATION



RAYCHEM HEATSHRINK

- Resistant to abrasion, weathering & atmospheric pollution
- Made from high quality cross-linked polyolefin

UTILUX CONNECTORS

- Shearhead bolts for correct connection every time
- No special tools required
- Al, Cu & Bimetallic connections
- Range taking



In an industry where connections really do count, we want ours to be as simple and effective as possible. Our Raychem Heatshrink and Utilux Connectors have been designed to work together seamlessly, with traceability from the sourcing of raw materials right through to the finished products. TE does all their own R&D and manufactures to their exacting standards using their own parts, so they know how to make the products you rely on the perfect fit.

Raychem PLUS **UTILUX**



DON'T JUST SWITCH TO ELECTRIC - CHARGE SMARTER

wallbox

CHARGING STATIONS



Smart charging



Data Centralisation availability



Automatic power management



Power consumption Statistics



Multi-model car compatibility



Energy cost control & optimisation



Secure power consumption overflow



Charge status



Remote control



Configurable

MEET YOUR POTENTIAL

Electric vehicles are equipped to handle a larger charge than a standard New Zealand household plug can provide. A dedicated electric vehicle home charging unit like the Wallbox Pulsar or Commander enables you to increase your residential or commercial charging capabilities to match your car's.

SHARE THE LOAD

The innovative embedded load-sharing system implemented in all Wallbox chargers allows you to perform Load Balance and get the most out of your charger, either for individual use or for fleet management.

REDUCE CHARGING TIME, INCREASE USABILITY

A vehicle that takes too long to charge restricts your daily movements. A dedicated home charging unit can increase your capacity to charge from 8 to 32 amps, so installing an EV charging station gives you the potential to completely charge your car in 1/4 of the time.

WALLBOX PULSAR



The Wallbox Pulsar is the most compact design on the market, delivering the maximum domestic power. Designed with Bluetooth smart connectivity, it allows you to get data on-the-go when you approach the charger.

VIEW SPECIFICATIONS



WALLBOX COMMANDER



The Wallbox Commander is the only charging station on the market with a Touch Screen and WiFi connectivity. A customisable user interface gives you access to scheduled charging and the ability to see real-time monitoring of the charged mileage to the vehicle.

VIEW SPECIFICATIONS



MYWALLBOX APP

The myWallbox app allows you to control charging sessions, configure the charger, and access the consumption history as well as providing other services such as Smart Charging.



WALLBOX FOR BUSINESS



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PORTABLE CHARGERS

CHARGING CABLES

Open ended leads are a fast and easy way to replace a damaged existing tethered lead to a charge station, or replace an existing lead with a longer one if needed.

- Suitable for outdoor use and resistant to oil, dust and water
- Halogen free, low smoke
- Flexible at low temperatures and able to withstand mechanical impacts
- KEMA approval
- Halogen free, flame retardant
- Complies with new EV standard EN 50620

- Type 2 connectors injection moulded for watertight and tamperproof construction
- Dummy holders available for connectors to go in when not in use
- Stainless steel cable holders available. Suitable for both indoor and outdoor use, they include a dummy holder for the vehicle connector end of the lead

MANUAL TEST BOX

- Use for testing EV charging stations or portable chargers with a fixed or tethered cable



VEHICLE CONNECTORS

- Type 1, Type 2, male & female
- Rewirable
- All chargers comply with IEC 61851 and all plugs, connectors & outlet sockets comply with IEC 62196

Ratio ELECTRIC



AC Charging Connector Types

- **Type 1:** This is typical in Japanese and some American cars. Some EVs with this type of connector are: Nissan Leaf (3.5kW); Mitsubishi Outlander (3.7kW); Mitsubishi I-miev (3.7kW); Toyota Prius plug in; Ford Focus Electric; Renault Kangoo (3.7kW)
- **Type 2:** Typically European (and Korean). Some EVs that have type 2 are: BMW I3 (11kW); BMW I8 (11kW); Tesla model S; Volvo V60 Plug-In Hybrid; VW Golf Plug-In Hybrid; VW E-up; Audi A3 E-tron (3.7kW); Mercedes S500 Plug-In ; Porsche Panamera; Hyundai IONIQ (up to 7kW depending on model)

Note: One advantage of Type 2 is the ability for the car's onboard charger to accept 3 phase power. While 3 phase is not available for most houses, 3 phase is the supply to every commercial premises which makes it easier (and more cost effective) to have faster AC charging rates in commercial and public places.

CHOOSE YOUR MOMENT

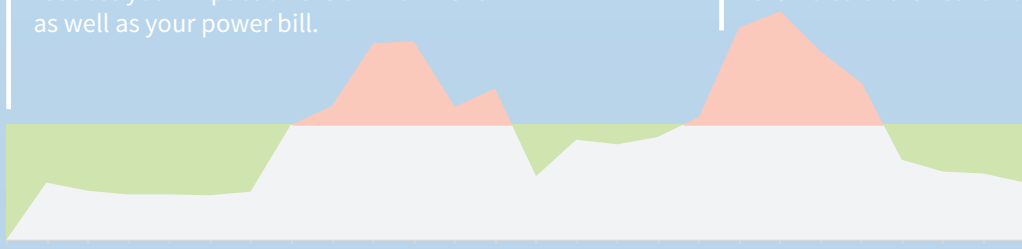
Load-shifting doesn't just benefit you as an EV owner, it also helps to balance the burden on the entire electricity network by shifting your electrical load away from 'rush hour'.

OFF-PEAK

Renewable energy – such as hydroelectricity from dams like Manapouri or Clyde or wind power from turbines at Tararua or Mahinerangi – reduces your impact on the environment as well as your power bill.

PEAK

Without a specialised charging system the most convenient time for you to charge your EV can also be the worst for the network.



Based on average meter usage data over a six month period recorded from a standard five person New Zealand household, 2017.



TYPE 1

TYPE 2



All Specials and Products featured in TRANSNET JUICE are available from all good electrical wholesalers.



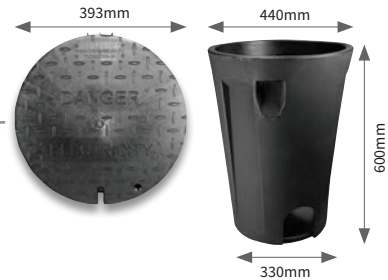


WHAT'S INSIDE?

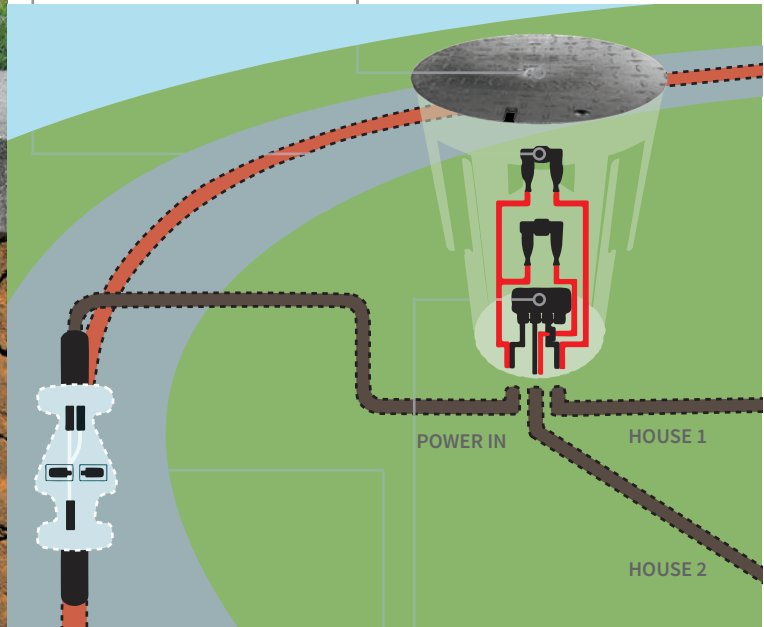
TOTAL UNDERGROUND DISTRIBUTION SYSTEM



Pit Fuse K199: Used to connect the customer's service to the underground supply cable. Fully submersible design rated to IP68. Accepts barrel fuse links up to 100amps & copper or aluminium cable, 6mm²-50mm².



Pit base and lid: manufactured from durable, black UV resistant plastic compounds. The lid latches into place & requires a tool for access.



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

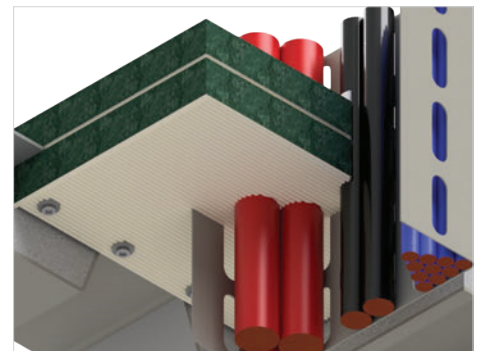
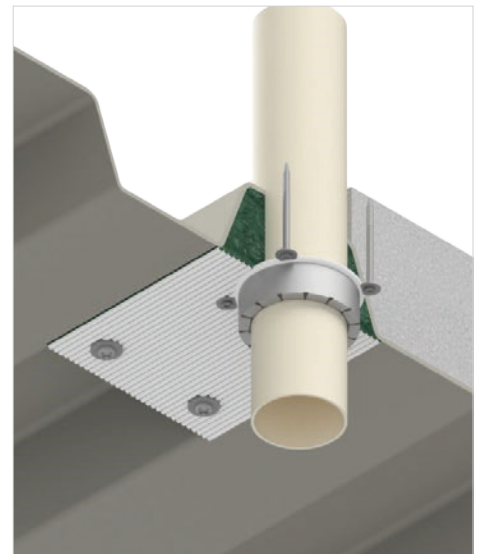
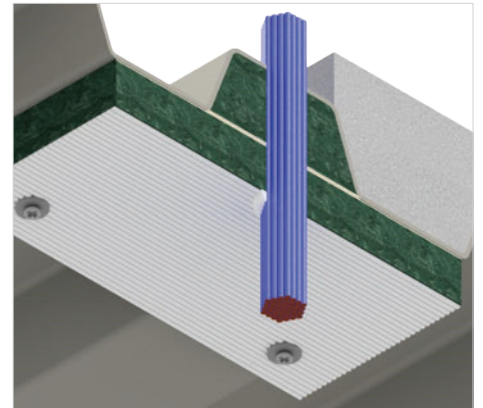
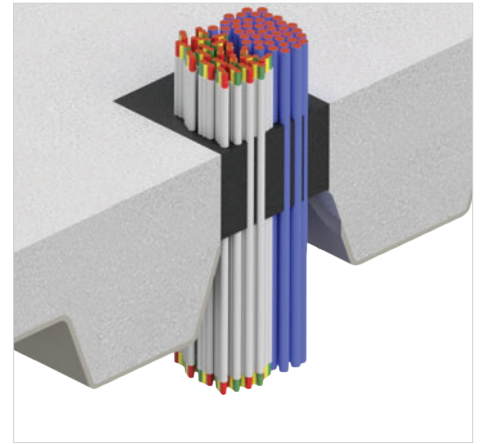
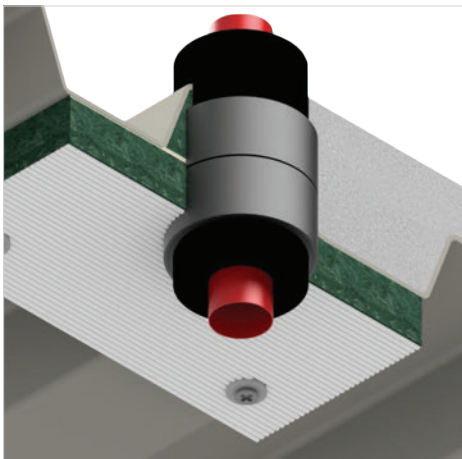
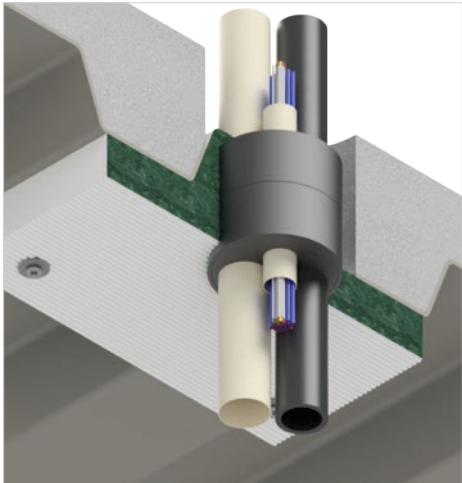
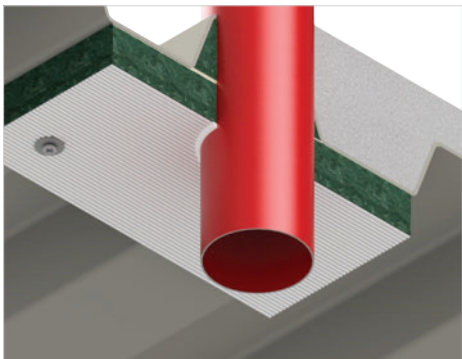
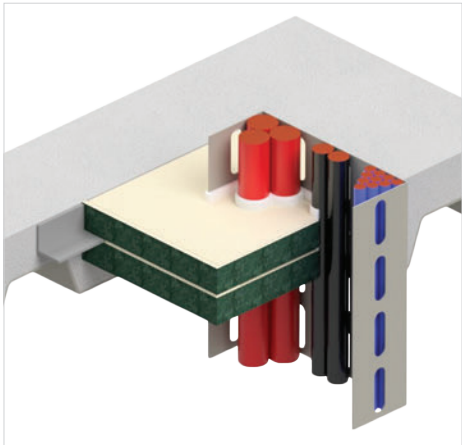


Gelport Connector: An insulated multiport connector used to create a busbar. Accepts both copper and aluminium cable. 6mm²-150mm² (larger 16-240mm² also available) ANSI C119.1,2002.



ALL THE SOLUTIONS FOR COMPOSITE FLOOR SYSTEMS

CONTACT US FOR MORE INFORMATION ON PASSIVE FIRE PROTECTION SYSTEMS



INDUSTRIAL

Pop-Up Shelters & Umbrellas



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OFFICIAL AGENCY



Pop'N'Work offers a complete line of quick and easy pop-up work shelters. The high quality and 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 and productivity are top level concerns for any business, and these products offer features that help to increase production levels while providing a safer working environment!

FEATURES

- Flame retardant
- UV stable
- Customisable design/colours/ branding



WIN A CHILLY BIN SCOOTER!

Get your **FREE** TransNet beach ball with every order placed from 1 December 2017 to 31 January 2018*, upload a photo of it to Facebook with the hashtag **#TransNetHaveABall** and like our page **TransNetNZ** to be in to win this cool chilly bin scooter! Prize drawn 28th February 2018.



*While stocks last.

Terms and conditions available on our website.

A huge thank you to everyone who has supported us this year! We look forward to seeing you again in 2018. Please remember that although we are open on all business days over the summer break, courier deliveries will be reduced, so plan accordingly.

All the best for the holidays,

The team at
TransNet

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