

# HV JUICE



PREFORMS

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# MXSU-TX DUAL EXTREME SIZE TRANSITION JOINTS UP TO 36KV

TE Connectivity's (TE) Raychem MXSU-Tx size transition joints use mechanical connectors for conductor and wire shield connection. The MXSU-Tx joints are tailored for connections of large differences of cross-sections and conductor constructions, e.g. 25 mm<sup>2</sup> to 240 mm<sup>2</sup>, Cu/rm to Al/re. Further, the kits are widely range taking and cover most conductor constructions used in New Zealand.

The kits include mechanical connectors, and it is due to these mechanical connectors that the joints are easy to install. No crimping tool is needed when connecting the cables and no tool maintenance is required.

MXSU-Tx short joints are a space saving design, an essential characteristic when space is limited. MXSU-Tx exceed

international performance standards including CENELEC HD 629 or IEC 60502-4 for joints.

FEATURES

- Can be used on paper cables to XLPE installs as well as XLPE to XLPE
- All inclusive kit for extreme size transitions
- Based on elastomeric triple layer joint sleeves
- Short and slim design
- Requires no crimping tool
- Including mechanical connector
- Familiar and trusted MXSU design
- Meets CENELEC HD 629



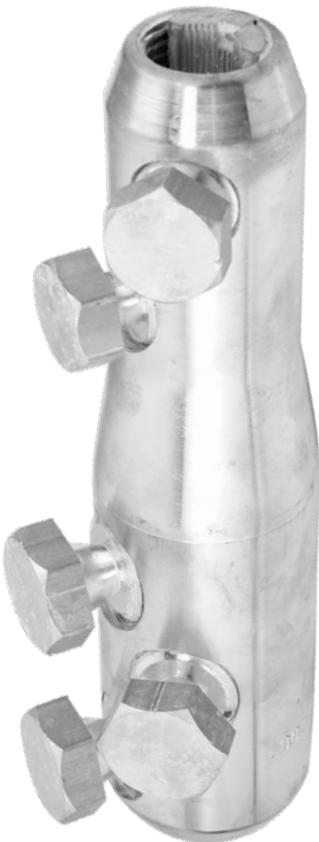
PRODUCT SELECTION INFORMATION				
Cat No.	Cross Section Range (mm <sup>2</sup> )			Min. Diameter Cable Oversheath (mm)
	12kV	24kV	36kV	
MXSU-3131-T2	25/95 – 95/240	–	–	23
MXSU-3141-T4	195/240 – 185/400	–	–	26
MXSU-3151-T6	185/400 – 500	–	–	33
MXSU-3161-T6	185/400 – 630	–	–	33
MXSU-3161-T7	500 – 630	–	–	44
MXSU-5131-T2	–	25/95 – 95/240	–	25
MXSU-5141-T4	–	95/240 – 240/400	–	30
MXSU-5151-T6	–	185/400 – 500	–	35
MXSU-5161-T6	–	185/400 – 630	–	35
MXSU-5161-T7	–	500 – 630	–	48
MXSU-5171-T8	–	630 – 800	–	50
MXSU-5181-T8	–	630 – 1000	–	50
MXSU-6141-T4	–	–	95/240 – 240/400	35
MXSU-6151-T6	–	–	185/400 – 500	40
MXSU-6161-T6	–	–	185/400 – 630	40
MXSU-6161-T7	–	–	500 – 630	52
MXSU-6171-T8	–	–	630 – 800	55
MXSU-6181-T8	–	–	630 – 1000	55

## HEAVY DUTY SCREENS

For 1-Core cables that have a large earth fault rating exceeding 13kA for 1/Sec we would recommend using our range of HDS joint kits.

The HDS kits come with extra shield connectors and are a slightly different design to the standard joint kits. If you are not sure what the fault rating is before using or ordering a MXSU-1-Core Inline joint kit, consider using the HDS kit which allows for use on light or heavy fault rating cables.

Use suffix "HDS" Heavy Duty Screens.



# BLMT-B TRUE BI-METAL MECHANICAL CONNECTORS

The TE range of BLMT-B lugs are specifically designed for use in harsh environments, where cable terminations are used in an outdoor application when connecting to copper droppers and or copper busbars.

The design of the BLMT-B lug has the same lug barrel design as the standard BLMT lug and will cater for both Copper & aluminium conductors for the main cable conductor design. The lug consists of a tinned copper palm that is friction welded to the lug barrel. The tinned copper palm allows for a trouble free connection when connecting directly to copper especially in outdoor applications.

## NEW! HVTI/HVTO-BM KITS WITH BLMT-B BI-METAL LUGS

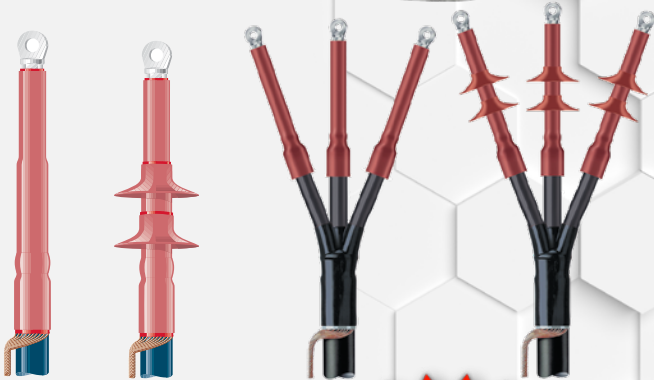
We have a new range of HVTI/HVTO termination kits for both 1-Core & 3-Core XLPE cables that include these BLMT-B friction welded bi metal mechanical lugs for customers that use copper droppers when connecting any overhead line apparatus to an underground cable connection. These termination kits have the suffix -BM to identify the inclusion of these BLMT-B lugs.

FEATURES

- Extended creepage as standard in HVTI/HVTO kits
- Kits are range taking
- Customised creepage distances are available for extreme environments & to retrofit to existing terminations
- Includes BLMT-B friction welded Bi-metal mechanical lug



FRICTION WELDED  
TINNED COPPER  
PALM



## PURPOSE BUILT SOLUTIONS FOR HARSH CONDITIONS

NEW KITS  
USING BLMT-B  
CONNECTORS



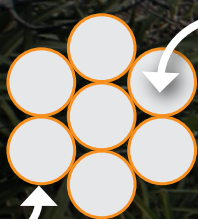


# COPPER THEFT IS ON THE RISE!

## THE PROVEN SOLUTION?

## COPPER CLAD STEEL CABLE!

LOOKS  
LIKE  
COPPER



STRONG  
LIKE  
STEEL

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.

Cat No.	Conductor Size (mm <sup>2</sup> Stranded)	Number of Wires	Wire Diameter (mm)	Cable Diameter (mm)
30CCS35	35	7	2.52	7.6
30CCS50	50	19	1.78	9.1
30CCS70	70	19	2.14	10.7

## CONTACT US FOR DETAILS

  
nvent

ERICO





# MADE THE SWITCH YET?

- Wide 330mm open contact clearance distance on 11kV ABS
- Spring loaded contact area
- Padlockable handle for user protection
- In stock for fast delivery



Assembled &  
customised to your  
specifications in NZ



Designed &  
manufactured  
in the UK

**EXCLUSIVE FEATURE**

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



Allied Insulators





## WHAT MAKES OUR PRODUCTS BETTER...



Do you face any vibration control challenges on your overhead distribution, sub-transmission, or transmission lines or projects? Then TransNet is your reliable partner – offering experience, technical competency, and a high-quality service that provides innovative design solutions supported by one of the world's leading manufacturers of transmission & distribution line hardware: Mosdorfer.

### MADE FOR OUR ENVIRONMENT

Mosdorfer helical line fittings have been designed and selected for the New Zealand market, ensuring top performance in our unique conditions. Not only are these fittings proven to work where needed, they're also available when needed, with our large stock holdings ensuring fittings can be distributed quickly.

### FAST & SIMPLE INSTALLATION WITH NO SPECIAL TOOLS REQUIRED

With many decades of experience with Helical fittings and how they work we're able to offer training to ensure correct installation to the requirements of AS1154 for all fittings including Distribution Ties and Armour Grip Support Units.

These fittings are designed to match the metric-dimension conductors listed in the following Standards:

- AS1222.1: Steel Conductors and Stays – Bare Overhead. Part 1 Galvanized (SC/GZ)
- AS1222.2: Steel Conductors and Stays – Bare Overhead. Part 2 Aluminium Clad (SC/AC)
- AS1531: Conductors, Bare Overhead. Aluminium and Aluminium Alloy
- AS1746: Conductors, Bare Overhead, Hard Drawn Copper
- AS3607: Conductors, Bare Overhead, Aluminium and Aluminium Alloy, Steel Reinforced

### DESCRIPTIVE PART NUMBERS

Our Part Numbers refer to the conductor range the fitting is designed to be used with. The prefix outlines the type of fitting and the numbers show the OD of the cable they'll fit.

### ROBUST INFORMATIVE LABELS

We have introduced a water resistant label with an aggressive adhesive which holds it in place until you're ready for it to be removed. Our labels show clearly the descriptive part number, a list of the conductor names/sizes the fitting is designed for use on, a description of what it is, a barcode, and the colour of the paint that is on the fitting for visual size reference.

Water resistant box with descriptive code, conductor size/name and colour code for fast, simple identification.







## TELESCOPIC & UNIVERSAL HOTSTICKS

RITZGLAS insulated hotsticks are available in many forms. They are made to the highest quality and offer effective protection for operators working on energised systems.

### TRIANGULAR TELESCOPIC STICKS

Designed to make work with overhead electrical systems faster and easier for the operator, with standard universal head that can accommodate standard fittings.

- Triangular shape requires no twisting to lock each section
- Telescoping stick stores inside itself
- Rubber ring and seal to secure the end fitting for storage and transportation
- Also available with metric measuring markers, useful for vertical span measurements (specify suffix M when ordering)
- Modular system enables the operator to use only the number of sections required for each job. All sections are available separately in order to replace damaged sections of a stick
- Complies with ASTM F-1826/99 and IEC 62193/03

### UNIVERSAL STICKS

Universal Sticks (also known as Sectional sticks) are made up of foam filled unicellular Polyurethane, dielectrically tested to 100kV/ft according to ASTM F711. In order to make handling, storage and transportation more practical, the VMR Sectional Hotstick is made up of standardised sectional elements which are interchangeable and attached with quick spring-action locking pins.

#### FEATURES

- The total length can be increased or reduced by adding or removing sections thus altering the working voltage class
- 38mm OD handle and middle sections, 32mm OD top section
- Spares available to replace damaged sections

### HOTSTICK STORAGE BAGS



**SLD-xx/x**

Multi piece stick storage bag

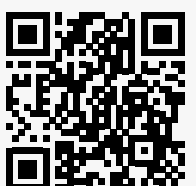


**SLT-x/x**

Single piece stick storage bag



**VIEW THE RANGE**







# HIGH DIELECTRIC STRENGTH RUBBER GLOVES

Incorporating high dielectric and physical strength, flexibility and durability, these gloves have earned a reputation for superior performance – meeting and exceeding the requirements of current ASTM D120 specifications.

## FEATURES

- Pure latex gloves manufactured under ISO 9001 & ISO 14001
- Certified to EN 60903
- Meets & exceeds ASTM D120
- Excellent strength & durability
- Acid resistant
- Ozone resistant
- Low temperature resistant
- Various cuff styles available
- Manufactured without use of solvents & hazardous chemicals with a proprietary aqueous dipping process
- Comprehensive range of classes, colours, lengths & sizes, including half sizes
- Arc Flash certified
- Fully tested before dispatch



# ACTIVARMR®

PERSONAL PROTECTIVE GEAR

\*On all new glove purchases



VIEW THE  
RANGE





## BCAC BUSHING PROTECTION COVERS

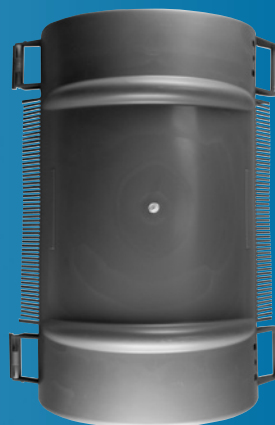


AUTHORISED DISTRIBUTOR

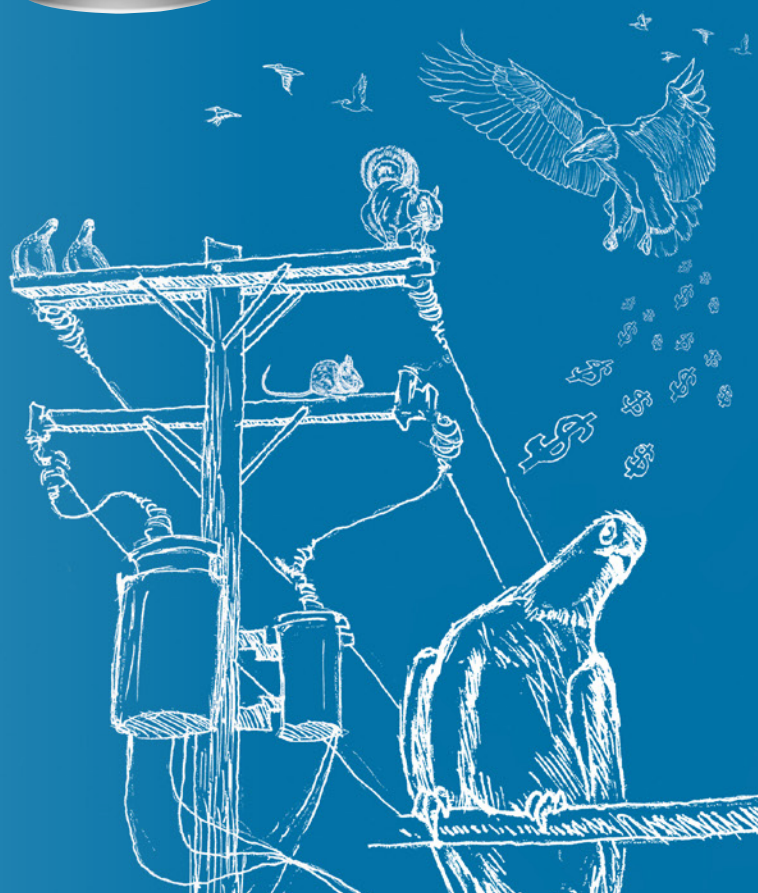
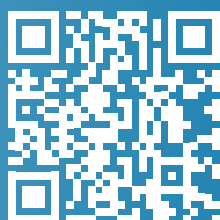
When it comes to protecting the network, as well as vulnerable and endangered wildlife, prevention is frequently better than the cure. TE Connectivity (TE)'s wildlife and asset protection products and systems provide a proven, cost-effective and easy-to-install solution to bird, animal, weather, and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

### BCAC FEATURES

- Fits a wide range of bushing skirt diameters in both substation and network applications
- For use on bushings from 11 to 33kV
- Fast and easy to install, no cutting required
- Can be installed live
- Feathered edges mean conductors can exit cover both vertically and horizontally
- Feathered edges act as thermal scan sites for true temperature evaluation of covered hardware
- Proven Raychem polymer material offers rugged, non tracking, UV resistant products which ensures long term performance in even the harshest environmental conditions



VIEW THE RANGE







## MAKE TEMPORARY EARTHING EASIER

# EDO TEMPORARY EARTHING ATTACHMENT

The Temporary EDO Earthing Attachment allows Portable Earth Leads to be applied safely and securely to EDOs not fitted with Earthing Spigots. It also allows the Earth Leads to be applied at a safe distance from any Live parts on the EDO.

The device fits both the new and old style EDOs.

## FEATURES

- Fault Rating = 27kA/0.25 Seconds Symmetrical

**Cat No. TPACCT15-2PS**



## V-LOK STAY TIGHT NUTS FOR ANY APPLICATION

**SICK OF YOUR INSULATORS ENDING UP LIKE THIS?**



# STAY TIGHT V-LOK NUTS

**WITH PATENTED ANTI-LOOSENING THREAD**

V-LOK is a patented screw-thread technology with a proven anti-loosening function when paired with normal screw thread technology. It consists of two parallel crests next to each other on the same ridge that induce double contact lines (locking points) between threads when paired with standard bolt threads. They maximize the static friction force between the bolt and nut threads and prevent loosening.

## BENEFITS:

- Improved reliability (SAIDI, SAIFI) and resilience
- Improved public and personnel safety
- Reduced energy losses due to bad connections
- Reduced losses and damage to property due to unnecessary electrical and mechanical failures
- Reduced likelihood of bush fires
- Significant cost savings on maintenance and preventable faults
- Reusable
- Tested to NAS 3350 (maximum vibration) and DIN 65151 (change in axial force)
- Designed to be used in place of standard nuts
- No need for special tools – fast and cost effective
- Can be used in both electrical and mechanical connections



V-LOK prevents bolts and nuts from loosening due to mechanical impact or vibrations, including Aeolian vibrations, thermal expansion due to thermal load cycling, overheating of joints, expansion due to corrosion etc. Perfect for steel support structures, crossarm braces, insulator pins, suspension clamps and more.





## JUMP INTO SUMMER

# SUNGARD SPF SUNSCREEN

## FEATURES

- SPF50 UVA/UVB advanced broad-spectrum protection
- Laboratory tested to meet AS/NZS Standard 2604:2012
- No nanoparticles, titanium dioxide, or zinc oxide—safe in contact with roofing and paint finishes
- 4 hours water resistance
- Dermatologically tested for most skin types and free from Parabens and MIT
- Non-slip dry grip
- Fragrance-free
- Available in 60ml carabiner, 125ml flip-top squeeze tube, 500, 1000 and 2500ml pump bottles



## PREMIUM HEAD PROTECTION

# NEXUS SECUREPLUS NON-VENTED HARD HAT

## FEATURES

- Modular AS/NZS 1801:1997 tested height safety helmet system, tested to 1000V under EN 397
- Modularity as standard
- Non-vented to meet electrical safety standards
- High performance ABS shell
- Premium Twist2Fit ratchet headband for secure fit
- Premium Dry-Tech sweatband provides up to 40% faster drying and absorbs 4x more moisture
- Tested down to -40°C low temperature
- Reflective sticker kits available
- Micro peak for maximum upward visibility
- Complete with fully removable and adjustable EN397 4-point chinstrap
- Approved to EN397 1000V AC LD, MM, -40°C, EN30365, ANSI Z89.1 Type 1 Class C, CSA/CAN Z94.1-05 Type 1 Class E (20,000V AC)
- Tested to the performance requirements of AS/NZS 1801:1997





# WELCOME TO THE TEAM

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We are very pleased to welcome Paul Godfrey who is joining TransNet as Technical Manager - Cable Accessories. Many of you will be familiar with Paul as he has a long history in the industry – from his upbringing with HVEPB where he learnt a lot of skills, to his most recent work for many years at TE Connectivity sharing his knowledge and expertise of the Raychem range.

Paul is frequently called on for tricky connections involving older cable types and applications, and is often thrown in at the deep end. Thanks to a good background across a wide range of applications and cable types, hands on skills, and a willingness to listen and learn, he will find the right solution. Paul's mentors, Ashley Weir and Ed Cheeseman – both industry stalwarts who pioneered the widespread introduction of Raychem

Cable Accessories to the New Zealand market – taught him a lot of what he shares with jointers now.

We asked Paul a few questions about his work so far.

### **What are some of the biggest projects you have been involved in over the years?**

There have been a number of big and complex projects over the years, such as Marine joint applications, cable jointing projects involving 12, 24, 36, & 72kV projects throughout NZ and the Pacific Islands. It's hard to single out one project as they all have their challenges.

### **Most challenging and rewarding moments?**

Introducing new products technology such as Guroflex MV and getting local type testing carried out for use in our local market. Designing kits to suit a wide variety

of applications is very rewarding and sometimes challenging, as is coming up with designs to suit small niche applications.

### **Have there been any solutions that were designed or built for a specific NZ customer application?**

Where do I start? We do special kits for most of our customers, specific to their network and application. We have hundreds of special kits listed in our database, and this increases year on year.

Paul is on hand to assist with any technical queries, training requirements, and/or refresher courses for any cable accessory related issues you might have, so please get in touch to discuss.

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