

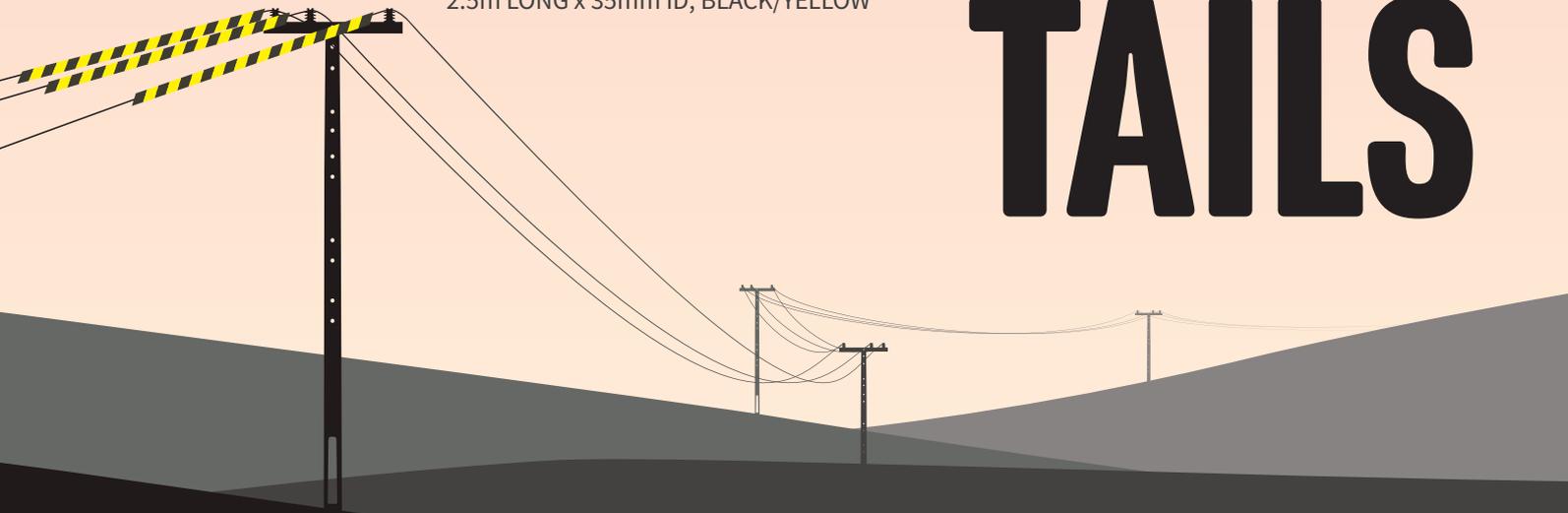
LV JUICE

Designed to Command Attention

Also known as line cover, Tiger Tails provide temporary electrical insulation, mechanical protection and visual warning of power lines and conductors. Utilised 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.

#DB.35A

2.5m LONG x 35mm ID, BLACK/YELLOW



balmoral engineering

TIGER TAILS

FREE TRANSNET
SPORTS BAG

WHILE STOCKS LAST

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



This Month

HOW TO SELECT THE
RIGHT SIZE HEATSHRINK
PAGE 2

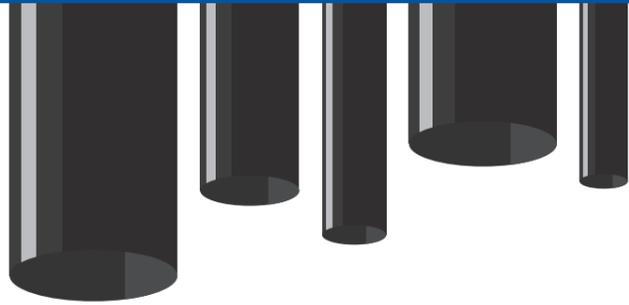
GIGATERA SPORTS
STADIUM LUMINAIRES
PAGE 4

INSTALLATION TESTER
PROMO KIT
PAGE 7

www.transnet.co.nz



HOW TO SELECT THE CORRECT SIZE HEATSHRINK



Heatshrink tubing, unlike many other products, is designed to change shape when installed. Correctly sized tubing will conform to the substrate over which it is applied, shrinking in diameter and in general overall length and making it especially tricky to select the right size for your application. With so many different sizes available, how do you know which one is best for you?

RANGE INCLUDES

RNF	WCSM	DCPT
DWP	CNSM	FCSM
MWTM	CRSM	LVIT
	EZISHRINK	

RECOVERED ID VS. SIZE OF SUBSTRATE

To achieve a good robust installation of heatshrink tubing it is important to get the best fit of the tubing to the substrate. To do this, the tube needs to shrink by at least **20%** of its supplied size but not so far that the tube reaches its fully recovered size. It is best to have at least **10%** unresolved recovery after the tube is installed.



LENGTH SHRINKAGE

Just as the tubing will shrink in diameter, it will also shrink slightly in overall length during the recovery process (in general – in some cases it can grow in length). Different products have different longitudinal shrinkage percentages.

Please consult with a member of our technical support staff if this is a concern prior to placing an order. Make sure to account for this when specifying the cut length needed or when cutting the tubing in-house. When using a long length of tubing, it will need to be cut longer than the distance it needs to cover because of the shrinkage during recovery.



E.G. RNF-100-1

RNF-100-1 has a supplied size of 25.4mm and recovers to a maximum of 12.7mm. It should be used for applications where the expected recovered size is between:

$$12.7\text{mm} + 1.27\text{mm} = 13.97\text{mm}$$

(i.e. 10% of 12.7mm)

&

$$25.4\text{mm} - 5.08\text{mm} = 20.32\text{mm}$$

(i.e. 20% of 25.4mm)

Diameter



Always select the biggest size tube that will fit the application. It will be easier to install and achieve the target wall thickness of the installed tube. This will give a more robust solution.

INSTALLATION DO'S AND DON'TS

DON'T force the supplied tube over something by stretching it. This can cause it to tear during recovery.

DO always use the specified Expanded ID dimension, since heatshrink tubing is supplied at a minimum expanded diameter.

DON'T assume that the tube will be delivered at exactly the same dimension every time. However, it will always meet the specified minimum expanded ID dimension.

DO always use the specified dimensions for the recovered internal diameter of the tube. Sometimes the tube will shrink a little more than the Recovered ID specified, but it will always meet the maximum specified dimension.

DON'T assume the tube will always shrink to the same fully-recovered dimensions.

DO follow the installation guidelines, especially the guideline on temperature. At too low a

temperature the tubing may not fully recover. At too high a temperature it may show burn marks or split.

DON'T cut the tube length to be the final installed length required. The tube will change length during recovery. The more you shrink it the greater the longitudinal change. The long change is noted in the product specification. Use it when calculating the cut length.

DO expect to see some wrinkles if you use a heat gun to recover the tubing. This is caused by non-uniform heating of the tubing (chill marks), but generally has no effect on the performance of the tubing.

DON'T recover the tubing over something with sharp edges, they can cut the tubing or puncture it which results in the tubing splitting during installation.

DO consult with one of our technical staff if you have any questions when selecting which size tubing is appropriate for your application.

Recommended recovery is in an oven to give uniform recovery around the entire circumference of the piece, or with a heat gun that allows the substrate to come up to temperature and assists in full recovery.





SUEFA SPECIALIST SPORTS STADIUM LUMINAIRES

Designed for UHD broadcast quality

FEATURES

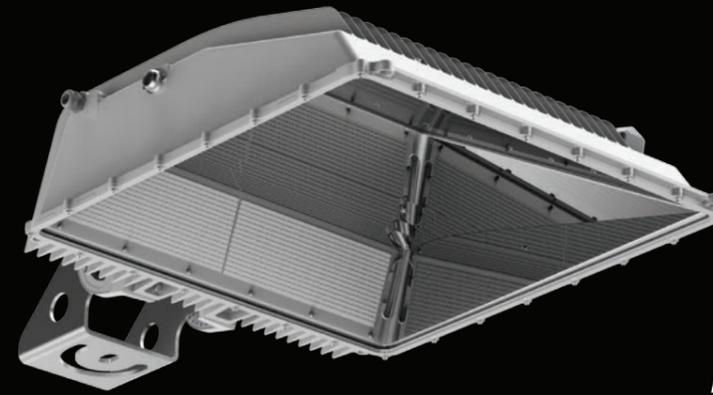
- Flicker free
- Options for wireless Zigbee control
- Remote driver options
- Beam angles & colour temperature options
- Tiltable and rotatable

- 105lm/W

- 600W, 800W, 1kW, 1.2kW options

APPLICATIONS

- Sports Stadiums
- Indoor venues
- Ports



THE NEW STANDARD IN HIGH MASTS MAHA

Less light pollution into neighbouring properties

FEATURES

- UV free & better uniformity
- Long life over metal halide floods
- Less CO₂ and less maintenance
- Luminance improvement
- Big energy savings - 600w replaces 1.5kW metal halide

- Wireless ZigBee options and/or remote drivers
- 10 year warranty
- 20kV surge protection
- Outstanding 130lm/W luminous efficiency
- 150W up to 600W options
- Designed for 0° tilt

CRI Difference

Both fans in the stands and those watching at home can enjoy games under optimal conditions compared to the previous lighting system thanks to the improvements in the colour reproduction ratio that is closest to natural light.



Existing lighting (63Ra/3700K)

SF800 (81Ra/5000K)

Non Flickering

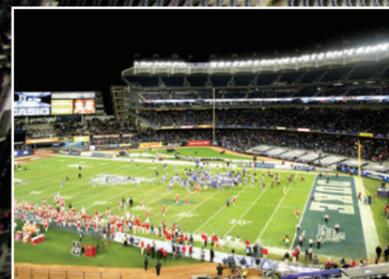
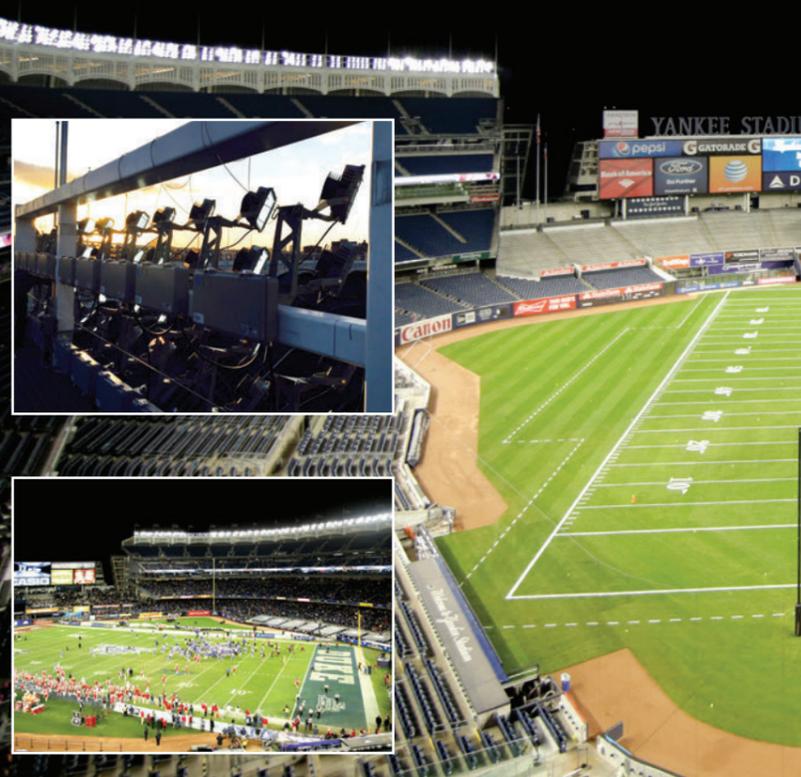
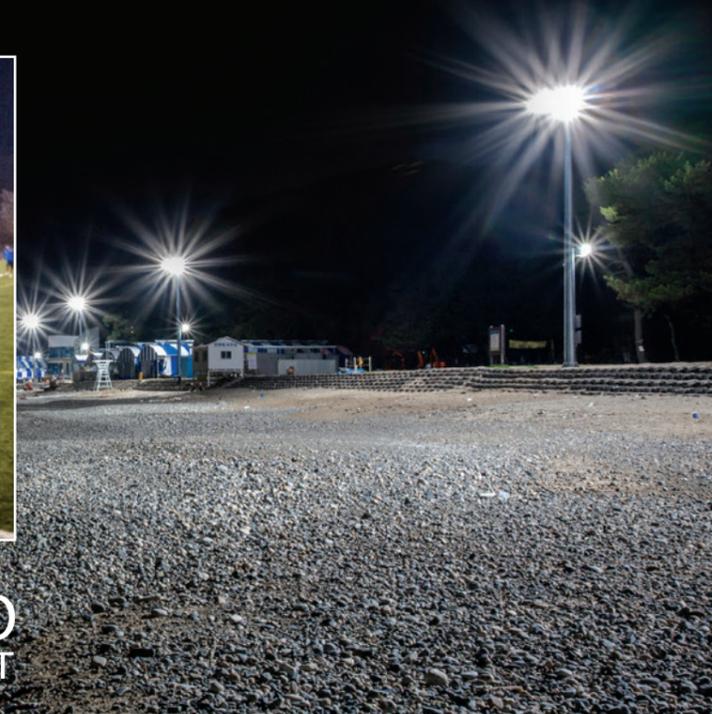
Catching the subtleties of baseball is important during game broadcasting. Clear viewing is possible with no flickering during ultra-slow motion playback beyond 960 frames per second or with UHD 4K broadcasting.

UHD TV Ready



Existing lighting (Flicker present)

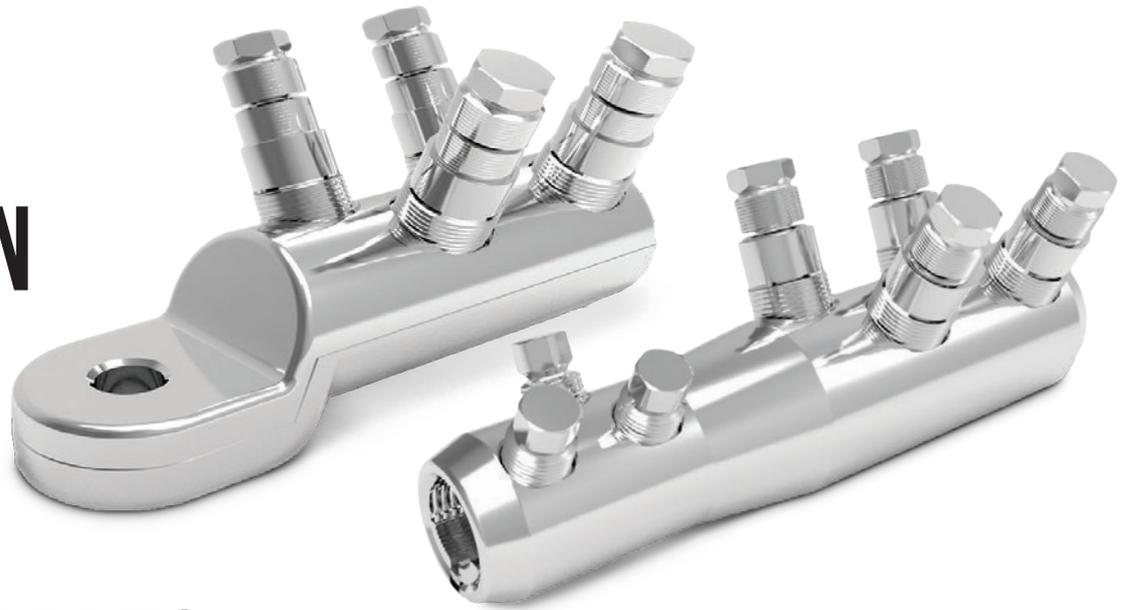
SF800 (Flicker free)



GigaTera[®] beyond light **e** ECO LIGHT



EASY & SECURE CONNECTION SYSTEM FOR ALUMINIUM FLEXIBLE CABLES



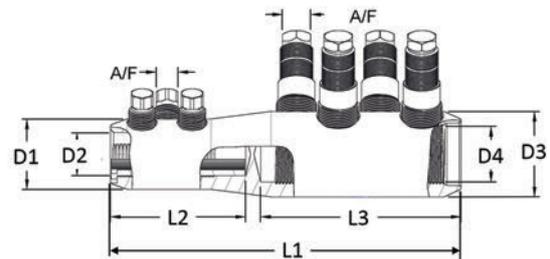
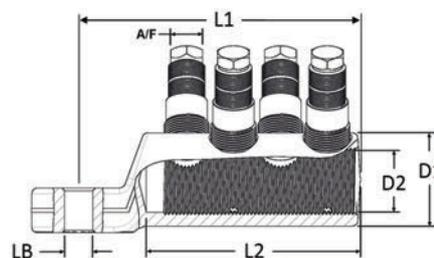
TE Connectivity's BSMB and BLMT-FLEX mechanical connectors and lugs are designed for use in low and medium voltage applications up to 42 kV, and consist of high tensile aluminium tin-plated body and shear-head bolts. Lugs are suitable for outdoor and indoor applications and are available with different palm hole sizes.

FEATURES

- Easy and secure connection system for Aluminum flexible cables tested to IEC-61238-1 Class A
- New patented two step shear off bolts provide pre-determined torque & ensure reliable and secure contact without damaging fine Aluminum strands
- Easier and faster installation without application tooling and reduced number of bolts
- To be available for cable cross sections 70 mm² through 500 mm²
- Dual range connectors available for connecting Cu – Al and Al – Al combinations for class 5 & class 2 conductors

Cat No.	Cross Sectional Range (mm ²)		Dimensions (mm)							Contact Bolts Quantity		Head Size AF (mm)	
	Class 2 Conductors	Class 5 Flexible Conductors	L1	L2	L3	D1	D2	D3	D4	Side 1	Side 2	Side 1	Side 2
BSMB-150/400-400-FLEX	150/400	300/400	210	80	120	42	25.5	51	33	3	4	13	17

Cat No.	Cross Sectional Range (mm ²)		Palm Hole Diameter (mm) LB	Dimensions (mm)				Contact Bolts Quantity	Head Size AF (mm)
	Class 5 Conductors			L1	L2	D1	D2		
BLMT-400 FLEX-15	300/400		15	150	115	51	33	4	17
BLMT-400 FLEX-17	300/400		17	150	115	51	33	4	17
BLMT-400 FLEX-21	300/400		21	150	115	51	33	4	17





MI3100S

EUROTESTEASI - MULTIFUNCTION INSTALLATION TESTER

The MI3100S EurotestEASI is a fast, accurate and easy-to-use multifunctional measuring instrument that performs a basic set of installation safety tests according to AS/NZS 3000. It enables online voltage monitoring, phase sequence testing and earth resistance measurement. The MI3100S incorporates full schematic help screens for each test and features a large, bright LCD screen with backlight. The instrument also contains a list of characteristics of fuses and RCDs for PASS/FAIL evaluation of test results. The MI3100S performs continuity, insulation, RCD, loop, line, voltage, frequency and phase sequence tests.



KEY FEATURES

- Built-in help screens for referencing on site
- Built-in fuse tables for automatic evaluation of the line / loop impedance result
- Monitoring of all three voltages in real-time
- Automatic polarity reversal on continuity test
- Built-in charger & rechargeable batteries as standard accessory
- Loop impedance test without tripping the 30mA RCD
- Automated RCD testing procedure



PROMO KIT INCLUDES MI3100S PLUS:

INSTALLATION TESTER PROMO KIT #MI3100SPROMO

TN2660CL

4000 counts
Voltage, current, resistor & capacitor measurements; frequency counter
Bargraph indication
Range change function
Data hold function freezes reading
REL & Peak function
Diode measurement
Max/Min function
Continuity check

AC/DC CLAMP METER

Low battery indication
Auto Power Off (APO) function
Shielded banana plugs, recessed input terminals & no exposed metal parts
Conductor Size 35mm Max.
Battery life approximately 100 hours on continuous use (Alkaline)
330g
Safety Standard EN 61010-1
CAT III 600V EN 61326-1

\$1875.00

PLUS GST

S-2026

Earth test set for earth resistance measurement on distance up to 20m. Set includes:

20M EARTH TEST SET

test lead, 20m, 2pcs; test lead, 4.5m earth spikes, 2pcs; soft carrying bag.



ZERUST VCI CAPSULES & BAGS

Protect from Corrosion at Sea



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Corrosion damage is especially prevalent in marine environments, where salty air, often combined with high temperatures and humidity levels make corrosion prevention a challenge. A major naval organization faced serious corrosion issues on ship aids to navigation, bail-out pump motors and small engines. Corrosion in these areas causes malfunctions and reliability problems that are not only costly to repair, maintain or replace, but also puts the people that rely on this equipment at risk. The naval organization's efforts to combat corrosion included methods such as oiling, scraping and painting. All of these methods were inefficient, ineffective and costly.

THE SOLUTION

They needed a solution that would help mission critical equipment stay operational and reliable. At the recommendation of Zerust, the organization decided to use Zerust Vapor Capsules and Zerust ICT510-C Ferrous VCI Bags and Sheeting to protect their aids to navigation, bail-out pump motors and small engines for a six month trial period. The tests were extremely successful! No new corrosion was found on any of the equipment. Zerust products proved to be an effective solution against corrosion by improving boat operational readiness, equipment reliability and saving critical resources such as time, manpower and money.



Zerust VCI bags protected bail-out pumps from corrosion until they are needed.



Zerust VC2-1 Vapor Capsules prevented corrosion and eliminating electrical problems in boat battery compartments.



WHO

Major naval organisation

WHAT

Corrosion prevention on equipment at sea

WHY

Increase operational readiness and reduce maintenance due to corrosion

SOLUTION

Enclosed mission critical equipment in ICT510-C VCI Bags & protected electronics with Vapor Capsules

Zerust®

CONTACT US FOR MORE INFO

www.zerust.co.nz

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NEW ZEALAND OWNED