



## Maser Newsletter

### Maser Supplies High Performance Cable For Critical Application

Maser Communications (Australia) have supplied Alpha Wire XTRAGUARD 1 and XTRAGUARD FLEXIBLE for a terminal station servicing the outer south-eastern corridor of Melbourne. Alpha Wire XTRAGUARD is a range of high performance electronic cables that provide a powerful solution for critical applications, "Our client's brief was very specific and XTRAGUARD met every criteria" says Maser Communications General Manager, Matt Young. "XTRAGUARD cables are 'hazard -matched' to survive in the most demanding environments. Remember, a cable is not just a cable".

XTRAGUARD cables deliver extreme performance and systems reliability in the worlds most extreme environments, including heat, cold, abrasion, flexing, immersion in oils, chemicals, solvents and fuels, UV exposure, EMI/RFI interference, and direct burial. Hazard-matched and designed specifically to survive in the most hostile operating environments, XTRAGUARD cables are the perfect solution for use in demanding applications in industries such as petrochemical, mining, power generation, medical, military, food and beverage, water, waste water, robotics and security.

A wide range of XTRAGUARD designs are available with solutions for extended cable life, rugged industrial, outdoor direct burial, high/low temperature, chemical resistant and high-flex applications.

For more information, please contact Maser on 1300 130 722 or email at [sales-cable@maser.com.au](mailto:sales-cable@maser.com.au)



### Maser DEKABON—The Only Choice For Lead Free Cable

With growing concern over the environmental and health issues related to lead, end users are searching for a responsible alternative to lead sheathed cables without comprising the long term reliability of their cable.

This concern has led a Victorian Oil Refinery to DEKABON, Dekoron's innovative and more environmentally friendly alternative to lead sheath technology. "The refinery wanted to source a lead free cable and were surprised when Maser offered a relatively in-expensive solution" says Maser Communications General Manager, Matt Young. "The client had the impression that environmental responsibility would come at a cost however DEKABON provides economic benefits beginning from the cost of the cable and continuing through to installation. When you consider that DEKABON is available as instrumentation, control or thermo-couple cable and can be ordered in as little as 300m, you would have to ask why any end user is still using a lead sheathed product".

The DEKABON cable design is based on the use of the hermetically sealed patented copolymer coated Aluminium tape, bonded to a polymer over-sheath. Main features and benefits;

**Corrosion resistance** – Patented co-polymer, which forms a critical part of the bonded or laminate construction, prevents aluminium from chemical attack, prevents corrosion and provides extended service life versus bare metal sheaths.

**Mechanical properties** – DEKABON technology, Co-polymer – Aluminium – Polymer Sheath, combines the properties of the different materials and generates a synergistic effect where strength of shielding tape is combined with flexibility of polymer.

**Electrical properties** – Aluminium tape closely matches screening effectiveness of 2mm thick lead, while external steel armour improves reduction factor values.

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Wire & Cable, Inc.

THE QUALITY CONNECTION  
**LEONI**  
Wire • Cable • Wiring Systems

**KERPEN**  
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**Dialight**

**alpha**

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### Power Station Lights the LED Way

Maser Communications has recently finalised an agreement with one of NSW's largest power stations to supply LEDpak and SafeSite industrial LED lighting fixtures, manufactured by Dialight, to fit out their power station on a progressive basis for all future general area and task lighting applications.

Earlier this year, the plant undertook a trial to determine whether LED fixtures were a viable, cost effective alternative to the on-going issues with their incumbent lighting solution. In consultation with Maser, several areas of the plant were selected and the LEDpak and SafeSite series were deployed into the field alongside traditional light fittings.

"To say the customer was blown away by our light's performance is an under-statement" says Maser Communications General Manager, Matt Young. "The power station facility management team was understandably impressed with the obvious benefits associated with LED lighting - a significant reduction in operating and maintenance costs, a resistance to the day-to-day shocks and vibrations lighting fittings encounter at the power station and the instant full brightness when the lights are switched on. But the improvement in light quality over the existing lighting was the major benefit that the customer was really impressed with. The rugged solid-state design of these LED fixtures creates a new era where failed lamps and expensive re-lamping costs will become a thing of the past."

The LEDpak series is being installed as an equivalent or better alternative to general area dual 36 W fluorescent light fittings for walkways, gantries, workshops and storerooms, while the LEDbright and SafeSite series are being supplied in 150 and 250 W variants for specific task, worksite and access illumination.

The fittings were also chosen for a number of operational issues that presented the power station maintenance staff with several benefits. With an average life of 100,000 hours which, equates to 10 years of continuous operation on a 24-hour duty cycle at the power station, the lamps reduce the frequency of re-lamping and maintenance inspections, resulting in lower costs in staff and elevated work platforms, along with reduced OHS risks.

The double IP67-rated and vandal-proof enclosure enabled the fitting to be installed in areas constantly exposed to severe shock, vibration, heat, humidity and salt air. The staff were also able to wash down the fittings with high pressure water and air without any risk of water or dust ingress.

Instant 'on' functionality also ensured that there are no warm-up times incurred in the event of power failure, typically experienced with the fluorescent lights that could have posed a safety risk.

The IP66-rated SafeSite LED lighting fixtures were deployed in hazardous locations to replace the existing 75 to 250 W HID light sources. Their design enables them to be installed on walls, stanchions and pendent mounts with 20 and 25 mm conduit entrances and an internal splice box for retrofitting with the existing wiring. The fixtures provided better quality light, higher fixture efficiency and greater energy efficiency than the HID lamps they replaced.

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