



Maser NZ Cable News

Volume 2, Issue 2
Summer 2009

Dekoron Cable Effective & Efficient for Plant Operations

Dekoron Wire & Cable are the innovators in Instrumentation. Technology to improve signal transmission, shielding, and custom designed cables have allowed Dekoron to bring to market products required to effectively and efficiently run plant operations.

Dekoron Instrumentation Cable, available from Maser, are used in many plants throughout the world to transmit information between sensors, analysers and control rooms. Dekoron innovations in insulation and shielding provide protection for cables from electronic noise and interference that could interrupt accurate information being transferred through the plant.



Dekoron Thermocouple extension cables utilise a solid alloy wire conductor in applications requiring precise temperature measurement and control for process plants.

Dekoron control cables are essential to maintain a quality control system in harsh environments of process control. Dekoron control cables maintain system integrity and durability in challenging environments and applications.

Specialty Cables for extreme applications, which include fire resistant, cold weather, dual armor, circuit integrity, armored fieldbus and zero halogen are also developed and manufactured.

Cables with up to 100 conductors or conductor groups and continuous lengths of 10,000 feet are also possible. All conductor groups can be shielded against electromagnetic interference by the use of proper shields and drains.

Materials are sourced from high quality, reliable and competitive materials. Inventory is maintained or sourced through short-lead times and supplier stock programmes.

Thermoset and thermoplastic materials are used for cable insulation. To assure clean and accurate signals back to the control room, aluminum, copper, and bronze shields are applied to individual and groupings of cable.

An additional layer of protection of armor is added depending on the applications. This includes Served Wire Armor (SWA) for physical protection where cut through resistance is necessary, and Interlock Armor (aluminum or galvanised) for mechanical and cable core protection.

Dekabon Moisture/Chemical Barrier is applied to provide chemical, crush and vapour resistance and protection against moisture. The addition of Dekabon ensures cable suitability for direct burial applications and abrasive backfilling. Paired with a drain wire, Dekabon also acts as an electrostatic shield which provides protection against lighting.

Thermoset and thermoplastic jackets are used for first and second jackets within the cable. Jackets can be easily removed with a nylon ripcord for field stripback and terminations.

All Dekoron products are manufactured to high quality standards. All cables are subjected to electrical inspection after twisting, bunching, jacketing and armoring.

Maser Expands it's Europe Division to Poland

The Maser Group continues its growth on the international market by recently expanding its Europe divisions to Poland.

Maser Poland will be headed by Tomasz Augustyn, who will act as the new Business Development Manager covering all of Poland. Tomasz is previously from an OPG market, however he will be handling business in all market sectors including Industrial, AV, Cable assembly, OPG, Utilities and many more.

The new office will be opening next month near the Warsaw area.



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NEW Green Star & Halogen Free Cables

Maser now stock a new range of Halogen-Free Cable for all types of applications. These are high-performing, clean, safer alternatives to regular PVC cables. The growing concern of climate change is having an increasing effect on today's cable industry. With more and more pressure both locally and globally to provide 'environmentally friendly' products and solutions and Green Star compliance.

What is it that makes Halogen Free Cables safer and healthier? This improved type of cable is produced without the extremely reactive Halogen-family elements of Flourine, Chlorine, Bromine, Iodine, and Astatine. These elements, although normally quite stable, will create toxic and corrosive fumes when burned.

The smoke created by burning halogenated products is so dangerous to human health that many governments are moving to introduce stricter halogen cable regulations. In response, more and more manufacturers are making the switch to halogen-free options.

Halogen-free cables are perfect for use in situations where performance, reliability, and safety are of the highest importance; for example, in high-occupancy applications like buildings & commuter rail.

Halogen-free cable also offers the added benefit of being more environmentally-friendly than their halogenated counterparts. Non-halogenated cables produce drastically lower levels of carbon monoxide – sometimes as much as 360% lower carbon output – and they produce less smoke overall. In today's world, your company's environmental impact is a pressing issue.



Our Halogen Free Control Cables are great for use in control panels, such as in transport systems where safety and performance are crucial and fire hazards are a concern. For Further information please contact the Maser Sales team

LED Alternative for dual 36 watt fluorescent fittings

The LedPak Series fitting from Dialight is a LED based fixture designed to replace traditional fluorescent lights in and around industrial and commercial areas environments and applications.

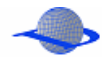
With a 100,000 hour (10 year) average life on a 24 hour duty cycle, LedPak is now the ultimate in extreme long life illumination. With a double IP67 rated and vandal proof enclosure the LedPak is designed to be installed into areas where severe shock and vibration are present and heat, high humidity and salt air are a constant factor. Smooth external surfaces help reduce dust build up and where necessary LedPak can fully be washed down by high pressure water or air without any risk of water or dust ingress. With a power consumption of only 68 watts and a current draw of 800 milliamp this unit is designed to save vast amounts of electricity thus ensuring more power is available to be sold onto the wholesale market. A wide input range of 85-265 volts AC, the LedPak can withstand the harsh realities of any industrial or commercial power supply system.



With extreme long life comes a massive reduction in maintenance inspections and associated costs such as sizzler lift, cherry picker, and scaffolding hire fees. Most of all costly OH&S injuries are eliminated. By upgrading to LED, instant on and off functionality becomes available to the user thus ensuring no warm up or cool down times in the event of power failure. To further enhance the power efficiencies LedPak can be connected up to PIR motion sensors.



LedPak utilizes a specially patented high flux LED which has in-built heats sinks to help direct away any unwanted heat thus ensuring a cold operation constantly eliminating risk of burns and associated injuries. Designed and built using robust materials such as anodized aluminum for the body, polycarbonate plastic components and stainless steel fixings the LedPak will outlast any old style fluorescent or incandescent fittings. For Further information please contact the Maser Sales team



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