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Ski resort's  
20,000ft long  
cable p10



CSPM's chairman XC Wang commented that the firm's titanium alloy products are mainly for downstream processing plants in China to produce fasteners, as well as high-end metals such as that for the iPhone5. In the future, the firm may supply Taiwanese smartphone vendors.

CSPM was set up by China Steel Corp and Walsin Lihwa Corp in 2011 in Changzhou, Jiangsu Province of China, mainly making titanium alloy, nickel alloy, and special steels reaching 6,000 tonnes annually.

Wang said that to fill downstream orders, CSPM will produce 600kg titanium alloy wire coils.

**High strength coated fibers**

Fiberguide Industries' aluminum coating provides added strength to optical fibers for applications requiring tight bends or resistance to harsh conditions. The fibers can be used in medical handsets and instruments, semiconductor manufacturing and sensors.

Aluminum coating can be applied to a wide variety of step index, graded index and single-mode fibers. The coating gives the optical fiber high strength (>10GPa bending) and a high stress corrosion coefficient (>100) for reliability in tight bends.

Fibers are hermetically sealed for high vacuum applications, and can withstand operation in temperatures from -269°C to +400°C. Standard core diameters are available up to 440 µm, and in lengths up to 4km.

**Reeling in the cable**

Hendrix/Kerite Cable, a provider of underground power distribution products, has introduced a heavy-duty plastic reel for the shipment of primary underground cable.

The reel is manufactured from recycled materials in a sturdy four-part design – two clamshell halves, arbor pipe and clamp. The design can hold most standard cut lengths and is also easily disassembled into its component parts and stacked for return shipment.

The reel is the result of a major design effort at Hendrix Wire & Cable and has undergone extensive trials over the past few years. It is already in use by a number of major utility companies.

**Of pests and plastics...**

Rodents and termites are the most pervasive pests all over the world.

Whether metropolis or village, no place is without them. Their size belies the damage that they cause, much of which can be large scale due to their constant gnawing – and wires and cables are a natural choice.

The consequences of this damage is severe. Breaks in electrical cables can cause short circuits leading to fire hazards, loss of thousands of dollars in automobile wiring damage and damage to optical fiber cables disrupts information transmission, in an age where constant connectivity is paramount.

There is a need to effectively address this problem, as conventional methods of control have met with little success.

Specially developed as a master batch for use in polymeric application, Rodrepel<sup>®</sup> and Termirepel<sup>®</sup> are patented non-toxic, non-hazardous, environmentally friendly aversives manufactured by the C Tech Corporation.

They are RoHS and REACH compliant, and FIFRA exempted. They do not kill but repel the rodent/termite by making use of the sensory mechanisms and do not interfere with the properties of the cable.

They are completely inert within the polymer matrix, apart from performing the basic function of acting as an aversive. They have been tested successfully at

reputed testing institutes such as BAM, Germany, and Haffkine, India, for their efficacy with different rodent and termite species with conclusive and favorable testing results demonstrating the Rodrepel<sup>®</sup> and Termirepel<sup>®</sup> containing wires and cables to be damage free.

As a product of green technology, they can easily be customised for a multitude of end applications. Rodrepel<sup>®</sup> and Termirepel<sup>®</sup> have been designed to effectively minimize the problem of rodent and termite damage to wires and cables in a safe and sustainable way.

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To make sure your editorial is published in the February edition – send us the details by **25<sup>th</sup> January**

All editorial should be sent to editor David Bell at [david@wiredinusa.com](mailto:david@wiredinusa.com)