Dear Readers,

Fortunately, there’s not only a wind breezeing across the North Sea to power the new “alpha ventus” offshore wind farm, the economy is also feeling the first winds of recovery beneath its wings. Alongside the recovery already evident in many sectors, the machine construction market is now also showing signs of improvement. When it comes to exports, the German economy is also benefiting from the Euro being under slight pressure at the present time.

We at HELUKABEL® are taking an optimistic view of the future in any event. This year, we will be making further technical advancements to our existing products and introducing new innovative products onto the market. We will be focusing on both the product side and on providing an even higher quality of service and even shorter lead times.

We hope you enjoy reading the latest edition of HELUnews.

Yours
Helmut Luksch
Managing Director
We are energising the USA

Technical Data

- Temperature range
  - UL / CSA TC-40°C to +90°C
  - UL / AWM -40°C to +90°C
- Nominal voltage
  - TC 600 V
  - AWM 1000 V
  - WTTC 1000 V
- Test voltage
  - 3000 V
- Minimum bending radius
  - approx. 5 cable diameters
- Insulation resistance
  - Min. 20 MΩ/km
- Radiation resistance
  - Max. 80 x 10^4 (to 80 MΩ/km)

Tests

- UL Type TC-ER, PLTC-ER
- ITC-ER, 1277, WTTC, MTW
- DP-1
- NFPA 79 2007
- Oil Res I & II
- 90°C dry / 75°C C wet
- CSA (UL) CC-TC FT4, AWM I/II A/B FT4

TRAYCONTROL 600 over conventional TRAY cables. The cable is also set apart by its highly-effective oil resistance (OIL RES II) and a special version to OIL RES II is also produced for wind turbines. This conforms to Standard WTTC 1000 V (WTTC = Wind Turbine Tray Cable), has passed the tough flame test to CSA FT4 and is of course UV resistant. TRAYCONTROL 600 can be supplied, usually ex-stock, either unscreened or screened, from 1 mm² to 50 mm², from HELUKABEL® Germany and USA, larger or smaller cross-sections being produced on request. In addition to the TRAY cable described here, HELUKABEL® has devised a new generation of control, sensor, drag chain and data cables. These implement the developments in the American standards boards and will be presented at the 2010 Hanover trade fair. It would give us great pleasure to welcome you to our Stand C30 in Hall 13.

The benefits to you

- outstanding flexibility
- simple installation
- oil resistant
- Tray Cable Exposed BUS (PC-BUS)

TRAYCONTROL 600

At your service

HELUKABEL® data, network and bus technology under new management. Mr. Jürgen Berger and advisor on and supports the broad product range of fibre optic cables and copper data technology, as well as

Data, Network & Bus Technology (DNB) | The team

Vibration resistant

High vibration resistance thanks to minimum clearance between clamping range and contact range. Reliable EMC screening even in rugged applications.

Reliable contact

The enlarged contact surfaces permit the free axial and radial movement of the cable, even with closed electrical contact, while guaranteeing a low transition resistance.

The new generation of EMC glands has arrived!

The benefits to you in use:

Simple cable installation

Open contact springs make it easier to insert the cable from both sides. The cable can be moved freely in an axial and radial direction.

HELUKABEL® presents the new TRAY cable with US approvals: TRAYCONTROL 600

HELUKABEL® successfully launched the new cable on the American market in autumn last year, where its outstanding characteristics for applications in the automotive sector, in plant construction and in the foodstuffs industry have already proved their worth.

As a single cable, TRAYCONTROL 600 satisfies the three most important American approvals for open installation: TC-ER, PLTC-ER & ITC-ER and therefore does not – as is normally the case in the USA – to be installed in closed cable ducts or pipes. The open installation (exposed run = ER), from the cable rack to machines and industrial systems, creates an enormous time advantage and hence an equally important cost benefit. Quick installation and easy handling in constricted spaces is also facilitated by the much higher flexibility of the HELUKABEL®

Cables & Wires | TRAYCONTROL 600

Two is better than one - Now 2 in Thailand

HELUKABEL® is looking forward to the greatest sporting event of 2010. We're all the more proud as we have been entrusted to provide the cabling for the construction of the spectacular new World Cup stadium in Durban.

Football World Cup in South Africa 2010

HELUKABEL® Thailand then please visit: www.helukabel.co.th (Managing Director: Mrs. Survita Boonvillai)

HELUKABEL | SOLARFLEX-X®

For many years now, Toyota has been setting benchmarks for effectiveness, quality and sustainability in industrial production – and not only in the automotive sector. Hardly a big surprise, then, that a solar plant has now been installed at the Toyota Parts Center Europe in Belgium. Toyota relies on the quality of our SOLARFLEX-X® solar cabling to ensure the panels are cabled effectively and economically.

Cables & Wires | HELUTOP® glands

The 4th generation

The new generation of EMC glands has arrived!

The benefits to you in use:

- Simple cable installation
- Vibration resistant
- Reliable contact

HELUKABEL® worldwide

HELUKABEL® Co. Ltd | New branch office

The second branch office is located in the coastal town of Rayong, near to Bangkok - Thailand's industrial heartland. The new Thailand office provides a better and faster local service for our customers. If you would like to contact

HELUKABEL (Thailand) Co. Ltd | New branch office

Cables for the World Cup stadium in Durban

HELUKABEL

HELUKABEL® Thailand then please visit: www.helukabel.co.th (Managing Director: Mrs. Survita Boonvillai)

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HELUKABEL® Belgium | SOLARFLEX-X®

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At home on all Seven Seas

Drag kite for fishing trawler

The "Maartje Theodora", at 141 m Germany’s largest fishing vessel, is currently being fitted with the innovative SkySails system installed. The drag kite drive, for which HEUKABEL® developed a special pull cable with control cable to hold and steer the 160 m² kite, has proven its capability in the 18-month pilot test on board the "MS Beluga". The sail produces a tensile load of 8 tonnes, equivalent to the thrust generated by an Airbus A318 engine. "We are expecting use of the SkySails system to achieve significant fuel cost saving, especially over the long voyages to the African coast and to the South Pacific and the wider perspective of fishing applications. Likewise, we are able to make drastically cuts in CO₂ emissions over the year, thereby making a significant contribution to climate protection", says Diederik Parlevliet (CEO) of the fishing company Parlevliet & Van der Plas B.V.

HELUKABEL® supports the victorious Team Germany

The team from Darmstadt Technical University, which represented Germany in the Solar Decathlon, had every reason to celebrate in the American capital over the week-end of October 17 and 18, 2009: they won, for the second time in succession, the renowned architecture and energy technology competition. The Solar Decathlon is an international competition run by the American Department of Energy, which involves 20 university teams competing against each other every two years; this year two of these teams came from Europe, the other 18 from the USA. The aim of the solar decathlon is to design a self-sustaining energy efficient building for habitation in the year 2015.

HEUKABEL® descends into the underworld, but only to develop a special cable for controlling channel robots (manipulators). The HK-SO-Roboflex cable was designed, constructed and produced specifically for use in humid, constricted and dark channels. It makes sewer renovation, which is usually inaccessible to humans and better suited to robots, a clean business – at least when it comes to localising potential damage. To be able to withstand the adverse external conditions, this cable features a microbe and hydrolysis resistant sheath. As the robot can only travel forwards in the channel under its own power (six motors), it has to be pulled backwards out of the channel. That’s why the HK-SO-Roboflex uses an aramide fibre structure as a strain relief. The cable transmits live images to a screen in the control centre via a coaxial cable. To prevent the image quality being impaired by the environment, compressed air is supplied through two PA hoses to remove small obstacles and dirt from the camera.

HELUKABEL® supports the Darmstadt TU team with the cabling for the PV module with its SOLARFLEX®-X PV1-F – a cable with VDE and TÜV approvals developed specifically for use in photovoltaic systems. The unique achievement of the Darmstadt TU combined with the use of German quality products reiterates the leading role played by German research and development in the renewable energy sector.
What can we do for you?

HELUKABEL® - Area Sales Manager at location of Headquarters in Hemmingen / Germany: Phone +49 7150 9209-

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