



Photo: FUCHS DEA SCHMIERSTOFFE GMBH & Co. KG

## **BIOFLEX-500®-Control Cables**

### **Resistant against biologically decomposable oils**

Biofuels are the energy form of the mobile future. Biodiesel and biogasoline are expected to ensure the mobility of the future in an environmentally-friendly and lasting way. Biofuels are already being added to conventional fuels and, by December 31, 2010, all gasoline and Diesel fuels are expected to contain 5.75 % biofuels. To this end, more and more large scale plants for producing biofuels are being built. The conventional pipelines are not sufficiently biofuel-resistant for the environment. In response to this, HELUKABEL® has joined forces with large scale farmers and operators of biofuel plants to develop a tailor-made product – the new BIOFLEX-500®. This new BIOFLEX-500® represents a further development of the proven BIOFLEX® family of pipelines.

HELUKABEL® has accordingly matched and extended the range of products from its plant in Windsbach. Special control cables and wires have been developed which are not only friendly on the environment, abrasion-resistant and can be recycled, they are also

resistant to bio-oils. These are the special BIOFLEX-500®-control cables and wires from HELUKABEL®. Specially modified polymers are used here for the core insulation and the jacket materials.

In the laboratory, these special compounds have been subjected to extreme testing according to VDMA requirements and VDE specifications. The suitability of these compounds has been assessed by endurance testing to demonstrate the long-term resistance to bio-oils.

As well as the EMC-screened preferred types, we keep both the flexible and high-flexibility versions of the more common types and sizes of our BIOFLEX-500®-control cables in stock to cover the demand from our customers at short notice.

The BIOFLEX control cables and wires are suitable for use in dry, moist and wet environments as well as for outdoor applications. These cables and wires are resistant to oxygen, ozone, hydrolysis, microbial attack and bio-degradable oils.