

■ Press Release

Drag Chain Cable for Extreme Applications

HELUKABEL's MULTIFLEX 512-PUR UL/CSA is a cable resistant to drilling mud and suitable for the oil and gas industry

Hemmingen, February 2, 2022 – Oil and gas production platforms, oil tankers, refinery ships and offshore wind turbines have one thing in common: they put extreme strain on electrical equipment. Therefore, to function reliably, the cables installed must be resistant to oil, petrol, ozone and UV radiation as well as tolerate coolants and lubricants or cold cleaning agents. HELUKABEL's drag chain cables of the MULTIFLEX 512-PUR UL/CSA series perform optimally under these demanding conditions. These highly flexible cables are now certified according to the internationally recognised NEK 606 standard (Norwegian Electrotechnical Committee), which defines the requirements for halogen-free cables with resistance to drilling mud. In addition, they comply with the more stringent DNV (Det Norske Veritas) ship approval tests for flexible electrical cables (CP-0417). This ensures that the cables can withstand the toughest operating conditions.

Mechanically stable and resistant to chemicals

Conventional sheathing materials tend to swell when exposed to aggressive agents such as lubricants and coolants, which negatively impacts the cable performance and shortens its service life. The technical PUR polymers used by HELUKABEL are significantly more resistant and therefore lengthen the cable's service life. With this, downtime or disruptions in the production process can be drastically reduced. MULTIFLEX 512-PUR UL/CSA, available with or without a shield, is suitable for nominal voltages up to 600 volts. It is designed to withstand extreme mechanical stress and can be used in ambient temperatures from -30 to +90 degrees Celsius. This also benefits the cable's service life: the higher the operating temperatures, the sooner conventional insulation materials fail because their mechanical properties deteriorate. The cable is flame-retardant, resistant to weathering and retains its high tear and abrasion resistance even at low temperatures. The minimum bending radius when in motion corresponds to five times the cable diameter, and three times the diameter when static. The durability of the drag chain cable under bending stresses has been tested in approximately ten million alternating bending cycles. The reliable performance of these cables is therefore guaranteed in multi-shift operations and when exposed to the greatest bending stresses.

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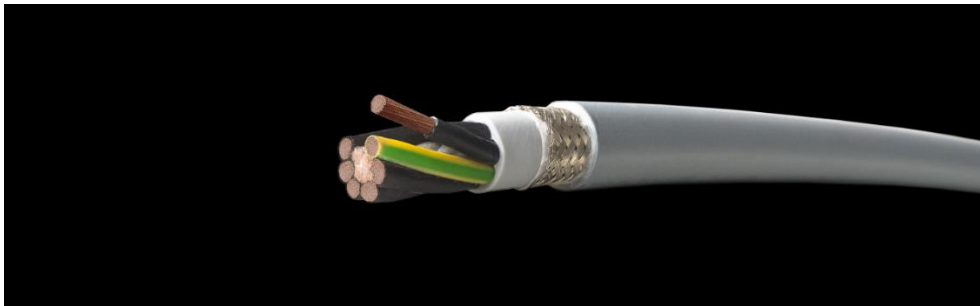
Attachment: 1 Picture

Please send a voucher copy to HELUKABEL.

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Picture Captions:



Picture 1: MULTIFLEX 512-PUR UL/CSA from HELUKABEL is resistant to drilling mud according to NEK 606 and suitable for temperatures from -30 °C to +90 °C. (Source: HELUKABEL)

About HELUKABEL

The HELUKABEL Group, headquartered in Hemmingen, Baden-Württemberg, Germany, is a leading international manufacturer and supplier of cables, wires and cable accessories. Founded in 1978, the family-owned company has developed broad expertise and deep knowledge of many industries and key technologies over the years. Today, HELUKABEL products and solutions are found in applications across multiple sectors including mechanical and plant engineering, industrial automation, oil and gas, building technology, infrastructure, mobility and renewable energy. With 58 locations and approximately 1,700 employees in 37 countries, the company is a reliable and responsive partner to its customers worldwide. They benefit from a comprehensive range of more than 33,000 stock items, a state-of-the-art logistics concept and expertise in the development of customized solutions. With this, HELUKABEL offers a complete portfolio of electrical connection technologies, all from a single source.

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