

MULTIFLEX 512®-PUR UL/CSA Receives NEK 606 Approval

Drag chain-rated cable resists drilling mud and is suitable for use in the oil and gas industry

WEST DUNDEE, Illinois – HELUKABEL, a leading international manufacturer and supplier of cables, wires and cable accessories, recently announced its MULTIFLEX 512®-PUR UL/CSA and its shielded variant (MULTIFLEX 512®-C-PUR UL/CSA) are now certified according to the internationally recognized Norwegian Electrotechnical Committee (NEK) standard TS 606, which defines the requirements for halogen-free cables that are resistant to drilling mud. This approval is found primarily in applications associated with the oil and gas industry. Additionally, MULTIFLEX 512®-PUR UL/CSA and MULTIFLEX 512®-C-PUR UL/CSA comply with the more stringent Det Norske Veritas (DNV) ship approval tests for flexible electrical cables (CP-0417) making it ideal for offshore applications.

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 withstand coolants and lubricants or cold cleaning agents. HELUKABEL's MULTIFLEX 512®-PUR UL/CSA and MULTIFLEX 512®-C-PUR UL/CSA series perform optimally under these demanding conditions.

Conventional jacket 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 polyurethane (PUR) polymers used by HELUKABEL are significantly more resistant, which ensures that the cables can withstand the toughest operating conditions. With this, downtime or disruptions in the production process can be drastically reduced.

About MULTIFLEX 512®-PUR UL/CSA Drag Chain Cables

MULTIFLEX 512®-PUR UL/CSA, available with or without a shield, is a drag chain-rated control and power cable suitable for nominal voltages up to 1000 volts (UL AWM). It is designed to withstand extreme mechanical stress and can be used in ambient temperatures from -30 to +90 degrees Celsius. The wide operating temperature range also benefits the cable's service life because higher temperatures tend to deteriorate conventional insulation materials causing their mechanical properties to fail sooner. The cable is flame-retardant, resistant to weathering and retains its high tear and abrasion resistance even at low temperatures. Additionally, it is extremely flexible with a minimum bending radius of five times the cable diameter for moving applications, and three times the diameter when static. It has been tested to withstand approximately 10 million alternating bending cycles ensuring it performs reliably in multi-shift operations and when it's exposed to the tight bending stresses. Finally, it is UL 758 (AWM Style 212090) and CSA C22.2 No. 210 (AWM I/II A/B) approved making it ideal for export-oriented manufacturers.

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About HELUKABEL USA

HELUKABEL USA, Inc. is the wholly owned U.S. subsidiary of HELUKABEL GmbH, a leading international manufacturer and supplier of cables, wires and cable accessories with 58 locations in 37 countries throughout the world. In its 75,000-square-foot, suburban-Chicago facility HELUKABEL USA stocks over 4,000 cable, wire and accessory line items for a multitude of application areas including mechanical and plant engineering, industrial automation, oil and gas, building technology, infrastructure, mobility and renewable energy. Direct access to a 1.72 million-square-foot, fully automated warehouse with 33,000 line items, enables HELUKABEL USA to provide extremely short delivery times.

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