

## **Reliable in wind, waves, and weather: DNV GL certified cables for e-chains**

**Over 370 chainflex cables from igus for a secure and long-lasting energy and data supply at sea**

**Oil rigs, gas production facilities, wind farms, port facilities or ship cranes: these applications have very special requirements for safe energy and data transmission. The company igus is the only manufacturer to develop, test and certify cables in accordance with DNV GL for use in maritime e-chains. Today, customers have access to more than 370 control, servo, motor and robot cables as well as bus, data, encoder and fibre optic cables for the safe operation of maritime applications.**

The oceans have long been part of the global economy by way of wind farms and worldwide cargo traffic. Offshore companies face similar challenges as their onshore counterparts. For example, in the exploration and transport of raw materials at sea, cost pressure has risen sharply in recent years, so that the automation, which is already state of the art on land today, is also becoming important in the offshore sector. chainflex cables from igus help companies to guarantee the necessary energy and data supply, thereby offering significant cost savings. This starts with straightforward planning using the approved cables, continues with simple installation and ends with smooth and maintenance-free operation in extreme conditions.

### **Resistant to oil, sun and seawater**

Offshore companies and their suppliers who are thinking of expanding their renewable technologies or preparing their merchant fleets for the future, now have more than 370 DNV GL certified cables available from igus. These are designed for the highly dynamic use in energy chains for safe operation at sea. Together with the DNV GL, igus has developed completely new test methods and standards for dynamically used cables in e-chains. In addition to the extensive testing procedures in accordance with DNV GL, the cables have also been tested under real conditions in the igus test laboratory spread over an area of 2,750 square metres. They therefore have a unique guarantee for

up to 10 million strokes in energy chains, are flexible in terms of operating temperatures down to -40°C and are also UV-resistant. Besides having seawater resistance, the cables also operate reliably under the influence of oil. The cables are resistant according to MUD NEK606, which enables maintenance-free pumping on drilling rigs and also stands for operator safety. Specially designed for movement in e-chains, the cables reliably carry out their tasks there, regardless of the length of the travel or the load to be moved.

### **chainflex cables keep maritime installations moving reliably**

With chainflex cables, plant constructors enjoy maximum freedom for the design of cables and energy chains, since there are virtually no limits to the application areas – whether under water or on the surface, whether under permanent sunshine or in prolonged cold. The use of approved chainflex cables means safe and stable operation of offshore installations for all those responsible for the proper running of a facility in shipyards, equipment suppliers, general contracting or manufacturing companies.

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#### **ABOUT IGUS:**

igus GmbH is a globally leading manufacturer of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs around 3,800 people around the world. In 2017, igus generated a turnover of 690 million euros with motion plastics, plastic components for moving applications. igus operates the largest test laboratories and factories in its sector to offer customers quick turnaround times on innovative products and solutions tailored to their needs.

The terms "igus", "Apiro", "chainflex", "CFRIP", "conprotect", "CTD", "drylin", "dry-tech", "dryspin", "easy chain", "e-chain", "e-chain-systems", "e-ketten", "e-kettensysteme", "e-skin", "flizz", "igear", "iglidur", "igubal", "kineKIT", "manus", "motion plastics", "pikchain", "plastics for longer life", "readychain", "readycable", "ReBel", "speedigus", "triflex", "roboLink", and "xiros" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.

**Caption:**



**Picture PM5718-1**

The 370 certified chainflex cables are the only DNV GL approved cables for e-chains in the offshore market. (Source: igus GmbH)

