

New type of optical cable laying frame



Overview

Meet the next generation of fibre optic cable lay vessels; fully integrated, future-ready, and built for efficiency. The DP3 sister vessels for Nexans are 149.9 m long and 31 m wide and developed for work in the offshore renewables market, installing subsea cables, including cables connecting offshore wind farms to the grid and interconnector systems. Operational tasks include power cable and umbilical laying. In June 2025 Megamas Resources announced a ship design contract with Norway-based Ulstein Design & Solutions AS to start the engineering phase on a fibre-optic cable-laying vessel (CLV) planned to be built at the Lloyd Werft Bremerhaven GmbH. This collaboration is not only a key step in OMS Group's fleet expansion strategy but also another testament to Ulstein's.



Article Content

Nexans Electra: Next-Gen Cable Laying Vessel

Discover the Nexans Electra, a groundbreaking cable laying vessel designed for offshore wind and interconnectors, promoting sustainable energy.

Cable Laying Vessels

Our cable laying designs range from large, shallow-water, high cable-capacity workhorses to nimble and time-efficient cable repair vessels. These include

News & Media Room

Learn about our employees' experience, our vision centered on sustainability, excellence, and growth, and explore our latest opportunities. Our financial

Master Your Fibre Optic Installation: Step-by-Step Best Practices

This comprehensive guide delves into the intricacies of fiber optic installation, exploring topics ranging from cable types and pre-installation considerations to execution, safety protocols,

Fiber Optic Cable Installation, Overhead vs. Buried Laying

Overhead and Buried are the two main fiber optic cable installation laying methods. They both have advantages. Besides that, effective measures are essential for a cabling.

FOA Standard For Installing Fiber Optic Cable Plants

Fiber optic cable may be installed indoors or outdoors using several different installation processes and as appropriate for the cable type being installed. Outdoor cable may be direct buried, installed

Fibre optic cable lay vessels

Our specialised cable lay vessels are engineered to deploy these high-speed data highways across oceans with precision and reliability. These are complex, high

Optical Distribution Frame System

Achieve successful cable management, handle high amounts of fiber cable and add density to fiber frames with the new DCX Optical Distribution Frame (ODF)

How to build a fibre network

Traceable warning tape must be installed on your site above all new duct and direct-in-ground cable as no locator signal can be sent over fibre cables. Warning tape with a traceable wire running through it

EXTRACT FROM TECHNICAL SPECIFICATIONS OF CONTRACT

If under unavoidable circumstances, the excavation is to be done between the taxi track and runway, it shall be done to the full depth just before laying the cables and in the presence of the site-in charge's

Aerial Cable Placing Procedure

Abstract An aerial cable is an insulated cable usually containing all fibres required for a telecommunication line, which is suspended between utility poles or electricity pylons. Aerial optical

Underground Installation of Optic Fiber Cable Placing

Placing cables underground has the added benefits of reducing transmission losses, aiding planning consent and reduced risk of service supply loss through extreme weather. This practice covers the

All You Need To Know About Fiber Termination Boxes:

Source In this blog, we will discuss the two types of fiber optic cables and the role of a simple yet essential piece of equipment in the fiber laying

Overhead Optical Cable Construction Guidelines

In the communications industry, how to construct overhead optical cable is a problem that many front-line communications construction workers will

GRS Shipbrokers | Offshore Cable Laying Vessels | GRS

Explore GRS's 3D portfolio of offshore cable laying vessels, featuring ship data, charter and purchase options with shipbroking expertise and advisory.

A Step-by-Step Guide to Fiber Optic Cable Installation

In our digital age, high-speed internet and reliable communication networks are powered by fiber optic cables, which

Understanding Fibre Optic Cables & Types with Network ...

This video provides a real world overview of using Fibre Optic cables in the data centres for connectivity between network switches and patch panels.00:09 Fi...

Leonardo da Vinci

Prysmian's New Cable Laying Vessel can be equipped with Prysmian's Hydroplow, Heavy Duty Plough and Seamole, to carry out simultaneous lay and burial or post lay burial operations, dependent upon

Essential Installation Techniques for Optical Fiber Cables

Discover the essential installation techniques for optical fiber cables, including trenching, direct burial, aerial, and indoor methods. Learn about

The FOA Reference For Fiber Optics -Outside Plant

Aerial Cable Installation Aerial Cable Installation Deploying fiber above ground on poles or towers removes the need for underground digging and is particularly

Cable laying vessel Nexans Aurora

The CLV Nexans Aurora represents a new era in cable laying technology, poised to support the electrification of the world's energy

Fiber-optic cable

Different types of cable are used for fiber-optic communication in different applications, for example long-distance telecommunication or providing a high

Fibre-optic cable-laying vessels

Fibre-optic cable-laying vessels typically work between continents, connecting the grids and laying long stretches of subsea cables. They are powerful and have

2 vessels! Contract signed for design and construction of new ...

Recently, Norway's Ulstein signed a contract with global subsea digital infrastructure leader OMS Group to design and build two next-generation cable-laying vessels for them.

New Ulstein based fibre-optic cable-laying vessel

Measuring 121.7m in length with a 23m beam, the vessel has been specifically optimised for fibre-optic cable laying and is also prepared for future power cable

Nexans' cable-lay vessel newbuilds

The cutting-edge cable laying vessel features a split turntable on deck capable of holding up to 10,000t of cable, an under-deck turntable with a 3,500t cable

New Construction Fiber Optic Cabling Overview & Guide

Fiber optics are crucial in modern buildings, providing the backbone for advanced digital communications. Integrating fiber optic installations during

Megamas signs LOI with shipyard for new cable layer

Conceptual design work began in Q3 2023, centred on the Ulstein SX228 design for a next-generation fibre-optic cable laying vessel to meet the

How to Install Fiber Optic Cable: Step-by-Step Guide

Learn how to install fiber optic cable with Network Drops' easy step-by-step guide. Follow the process for quick and effective results.

Contact Us

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