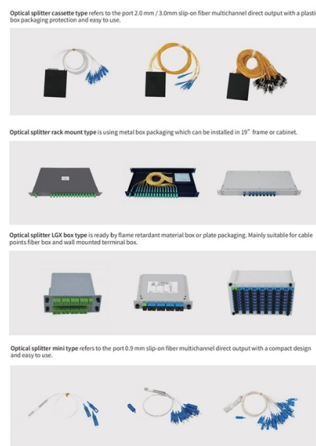


North Korea s High-Temperature Well Logging Optical Cable



Overview

The wire-armored cable is novel in structure and can better adapt the high-temperature and high-pressure environment in the oil well with a plurality of improvements, ensure the credibility of the logging information and provide technical support for the extension and application of. The wire-armored cable is novel in structure and can better adapt the high-temperature and high-pressure environment in the oil well with a plurality of improvements, ensure the credibility of the logging information and provide technical support for the extension and application of. The utility model relates to a wire-armored cable which is used for logging and comprises a high-temperature optical fiber 1, a hollow steel pipe 2, a high-temperature water-blocking paste 3, a high-temperature rubber belt 4 and a stainless steel cable 5, wherein the high-temperature optical fiber. Electro-Optic Tow Cables depths up to 6,000 meters The cable constructions are designed to endure the demands of the required tow strengths and communications while minimizing diameter requirements. solutions accommodate depths up to 6,000 meters for minesweeping, antisubmarine warfare, sonar, and. The cable constructions are designed to endure the demands of the required tow strengths and communications while minimizing diameter requirements. These. The invention relates to a high-temperature-resistant high-pressure-resistant logging distributed sensing optical cable used in an oil well and outside an oil pipe, which comprises a high-strength high-elasticity high-temperature-resistant external protective material layer and a first non-metallic. Suitable for oil wells, gas wells, coal mines or under high temperature conditions. The cables marked with Dry; They are a series of cables in which the typical water blocking the intermediate tubes (gelatin, water swelling tape or powder) is replaced with a solid foamed thermoplastic elastomer.

Article Content

Application of Coiled Tubing Distributed Optical Fiber Temperature ...

The results of distributed optical fiber temperature monitoring test of coiled tubing show that the test well has completed the temperature acquisition and leakage detection of deep and

The High-Temperature Resistant Well Logging Optical Cable

Prevents loss of hydrogen in the optical cable. Excellent mechanical operation. Suitable for oil wells, gas wells, coal mines or under high temperature conditions.

Optical Fiber Logging Cable for Oilfield Electrical Cable

Function of the Optical Fiber Logging Cable In the 1970s, during the application of optical fibers, it was discovered that when the optical fiber as an optical carrier is

SPECIALTY AND HARSH ENVIRONMENT FIBER OPTIC CABLE

Specialty Fiber Optic Cable Customers around the world benefit from using AFL fiber optic cable and components for downhole sensing and subsea umbilicals. With its patented stainless steel tube

Permanent fiber-optic cable

Permanent downhole fiber-optic cables are critical infrastructure in wellbore monitoring systems, ensuring reliable transmission of data for applications such as distributed temperature, acoustic, and

Cable Logging? Optical Fiber Logging?--JASON is ready for you!

Difference between Optic-Fiber logging and traditional cable logging The electrical-based sensors used in cable logging can not work continuously in harsh downhole environments (high temperature, high

Downhole Cable Optical Fiber Logging Cable Oil Well

What Difference between Optic-Fiber logging and traditional cable logging The electrical-based sensors used in cable logging can not work continuously in

Application of optical-fiber temperature logging

A high temperature fiber optic strain sensor and high temperature pipe loading test facility has been developed, and the first reported results from a pipe strain test at 1100°F using OTDR are ...

Downhole Logging

Rochester Cable has supplied wireline cables to logging service providers for more than 60 years. Our designs combine mechanical strength, thermal performance, and stable electrical or optical

New methods in geophysical exploration and monitoring with DTS and

In the HE-35 high-temperature geothermal well (Iceland), a cable with a “hermetic” carbon/polyimide-coating fiber was installed, also to avoid the effect of hydrogen darkening.

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First, in view of the slow transmission rate of the logging cable, an advanced high-speed cable transmission module is adopted. Secondly, the ground system and the downhole instrument were

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By adopting the design, the pressure value obtained finally is highly accurate, and the high elasticity and safety can be achieved. Moreover, the cable has high resistance against high...

Bazaid et al No 1

ABSTRACT Maintaining well integrity is a critical aspect of safe, efficient, and economically viable oil and gas production. Traditional well diagnostic tools such as calipers and single-point acoustic and

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The wire-armored cable is novel in structure and can better adapt the high-temperature and high-pressure environment in the oil well with a plurality of improvements, ensure the credibility...

Design and Experimental Research of a Fiber-Optic ...

This system provides a way that allows optical information to transmit in a high-temperature environment. It can be applied to well logging and fiber-optic sensing (e.g., real-time

Distributed optical fiber temperature sensor and its application in ...

Download Citation | On Oct 25, 2017, Xiaofei Zhu and others published Distributed optical fiber temperature sensor and its application in high-temperature well logging | Find, read and cite all ...

Hydrogen Sulfide Resistant Armoured Well Logging Cable for High ...

High-Temperature Optical Fiber Logging Cable for Hot Dry Rock (HDR) Geothermal Applications Engineered for extreme-temperature environments in enhanced geothermal systems (EGS) and hot

Distributed optical fiber temperature sensor and its application in ...

This paper analyzes the demand of temperature measurement for high temperature wells of oilfields and demonstrates the unique advantages of the distributed optical fiber temperature

The High-temperature Resistant Well Logging Optical Cable

The cable range for direct buried installation includes all four of our basic designs: concentric core, slotted core tape, DryTech and loose tube tape. The cables are reinforced with corrugated steel tape,

Research on the Data Interpretation Model of Optical Fiber Profile ...

Fiber optic cables have the advantages of high temperature resistance, high pressure resistance, corrosion resistance, and high accuracy in measuring temperature DTS data. They are widely used

Borehole Optical Fibre Distributed Temperature Sensing vs ...

This expertise helps to locate and monitor geothermal installations as well as observe diverse aspects of natural and man-made thermal effects. Temperature measurements were

Optical fiber logging cable Special cable

Optical fiber logging cable enables the transmission of detailed data over long distances, making it an essential component in oilfield service operations. Overall, the use of optical fiber

Oil Well Load Bearable Detecting Cable-Well Logging

These robust cables are used with mobile closed-circuit TV inspection systems to explore subterranean sewer lines and storm sewers and are offered in

Geophysical Load Bearable Detecting Cable-Well

These double-armored cables containing multiple conductors in various gauge sizes and constructions are customized for use in oceanographic exploration and are

Optical fiber logging cable Special cable

Optical fiber logging cables are also designed to withstand high temperatures and pressures, making them suitable for use in deep and high-pressure wells. It is made up of high

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