

# Application of High-Temperature Logging Optical Cables in Brazil

Unlike copper cable, fiber optic cabling is resistant to electromagnetic interference (EMI), making it an ideal option for environments involving high voltages or machinery with variable frequency drives.

Abstract: 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 ...

With the increasing need for long-term high-temperature (HT) operation of logging tools, Sandia National Laboratories is now completing the evaluation of the four-conductor cable.

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

By using slickline cable, risks associated with tool lift and wellbore debris were effectively mitigated, preventing the utilization of conventional PLT strings.

The object of this communication is to present technical aspects and field results concerning permanent downhole distributed temperature monitoring employing optical fiber in steamflood reservoir ...

This study presents the evolution of downhole fiber optics to a new hybrid electro-optical cable for coiled tubing (CT) applications. The optical fibers enable optical communication and ...

Combines an electric conductor with fiber-optic lines in a single 1/4-in cable--supporting both power delivery and data acquisition. Provides robust DTS, DAS, and DSS transmission--even in HPHT, ...

Learn more about HT Cabos e Tecnologia and our operations in Brazil. Inaugurated in 2015, we are a Brazilian company of the Hengtong Group and acts as a base for production of optical cables.

This project marks a significant shift as Fervo decided to run fiber optic cables for injection profiling. The fiber optic acquisition was performed as part of a larger-scale injection test, focusing on capturing ...



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