

# Australian Downhole Temperature Measurement Fiber Optic Cable Connector

Fiber optic cables are used for a wide range of downhole applications, especially for distributed temperature sensing (DTS) but are also used in pressure, flow and acoustic sensing applications.

Our proven fiber optics technologies also support point measurement pressure/temperature gauges to monitor downhole pressure and temperature changes for ESP monitoring and sub-cool optimization.

We custom design a downhole fiber optic connectors suitable for use in the extreme temperature and pressure environments of a the oil & gas industries.

Conventional connectors and optical housings operate with water cooling and low shock thresholds. The downhole connector provides the output of the "laser power cord" with rugged termination of the fiber ...

LIOS Technology offers the most reliable and functional continuous downhole temperature sensing and logging system available for both simple and complex wells. Our module- based system and open ...

DTSX measures temperature distribution over the length of an optical fiber cable using the fiber itself as the sensing element and it is ideal for temperature monitoring over long distances and wide areas.

An innovative and novel application of this technology was demonstrated by Mining3/CSIRO at an underground hard rock mine located in South Australia, where a distributed fibre optic sensing ...

In this work, we investigate the sensitivity of DTS for the detection of thermal anomalies in view of the design of future geological storage activities in Australia.

Utilizing Multi-mode Fiber Optic cables, Distributed Temperature Sensing (DTS) provides quality downhole temperature data and is applicable in a wide variety of applications.

Hybrid Downhole cable from AFL combines copper conductors and optical fibres within the same cable structure for simultaneous deployment. This construction is intended to withstand elevated ...

# **Australian Measurement Connector**

# **Downhole Fiber**

# **Temperature Optic Cable**

Web: <https://www.tlaetsoglobal.co.za>