GDR Telecom Site Energy Systems

Monitoring line for direct-buried optical cable joints

Monitoring line for direct-buried optical cable joints

	The initial applications of distributed temperature sensing, using standard telecommunications fibre, have enabled utilities to monitor the temperature on critical cable links, pinpointing cable hotspots ...
	To obtain an indication of the joint surface temperature, several meters of sensing cable are recommended to be affixed in a loop or s-shape to the joint with minimum space in between the fiber ...
	RaySense DAS is a security system that offers fiber optic monitoring capabilities. It can provide 100% perimeter coverage for long-range applications without sensor gaps.
	FOGrid is Sensor lines'' comprehensive and easy to deploy solution to ensure a continuous real-time monitoring of the integrity of buried or overhead cables, whether offshore or onshore.
	Invisible buried sensors for protection, detection and classification of intruders, vehicles, tunnelling, digging, electromagnetic detection field and more.

Our underground cable monitoring solution provides enhanced reliability, cost efficiency, and improved safety through comprehensive monitoring of ...

Our underground cable monitoring solution provides enhanced reliability, cost efficiency, and improved safety through comprehensive monitoring of temperature, acoustic signals, and vibration across the ...

Buried cable sensors function on the principle of monitoring physical disturbances in the environment surrounding the cable. Depending on the technology used, the sensor can detect ...

In this whitepaper, we explore how various distributed fiber optic sensing technologies can be employed to identify exposed sections of direct buried cables. By analyzing temperature variations along the ...

This paper introduces the design and realization of an enhanced distributed fiber optic sensing network inside concrete tunnel lining segments, currently being implemented at the Brenner ...

The most prevalent sensing technology for structure monitoring applications is DSS, which monitors strain related to mechanical loads of structures. Cables for DSS must be designed and installed in a ...

Contact Us

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