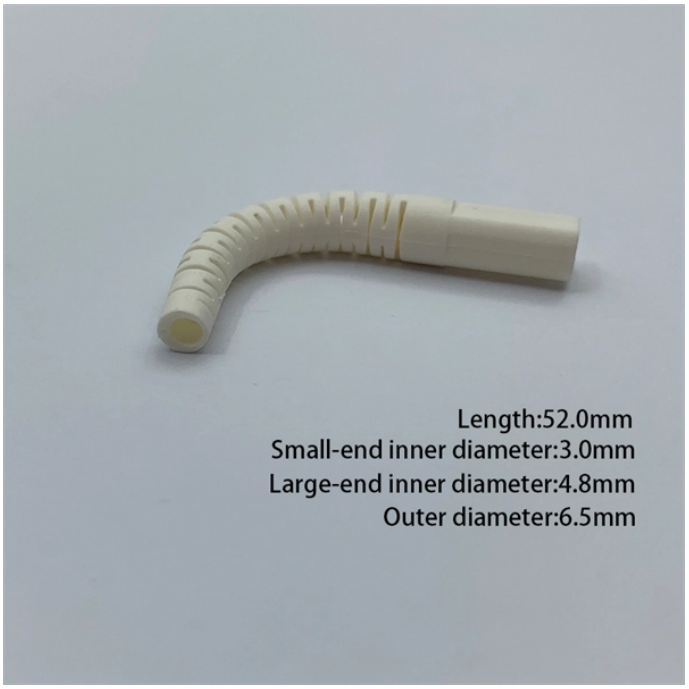
Indzawo Optic Connect

# High-precision fiber optic arrays for oil and petrochemical applications






© 2026 Indzawo Optic Connect - All rights reserved

## High-precision fiber optic arrays for oil and petrochemical applicatio



In the oil and gas industry, distributed fiber–optic sensors can provide significantly valuable information throughout the life cycle of a well and can monitor pipelines transporting ...



We''ve installed over 200,000km of highly reliable fibre optic cables for special applications since 1983, working in 100 countries across all five global continents.



Fiber optic technology transforms oil and gas operations by delivering real-time, accurate monitoring in hazardous environments. Durable cables and smart sensors withstand extreme ...



Precision Micro-optics offers high quality fiber arrays which are made of quartz, pyrex or silicon material with flat or angular polished end face. These products feature high pitch accuracy, up to 64 channels, ...



FiberTech Optica has developed capabilities to fabricate high precision linear, 2D and v-groove fiber arrays housed in common metals and polymers. For applications requiring fibers spaced apart with ...

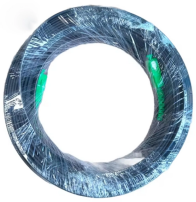
© 2026 Indzawo Optic Connect - All rights reserved



RAM Photonics focuses on cutting-edge, translational R& D, developing commercial-grade technology and hardware for direct manufacturing. Underpinned by automated manufacturing, RAM''s technology ...



Oil and gas (O& G) explorations moving into deeper zones for enhanced oil and gas recovery are causing serious safety concerns across the world. The sensing of critical multiple ...



Fibre-optic sensors outperform traditional electrical sensors in high-pressure, high-temperature (HPHT) oil and gas environments. Oil and gas reservoirs exceeding 3 km depth require advanced sensing ...



The different classifications of the fibre-optic sensors and different types of fibre-optic sensors used for oil and gas applications were discussed. The challenges posed by the oil and gas ...



Industry-unique Optiq solutions are used for many applications in upstream oil and gas and can be easily integrated with our nonfiber-optic comprehensive measurements, products, and services for ...

© 2026 Indzawo Optic Connect - All rights reserved

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://www.indzawo.co.za
Email: sales@indzawo.co.za
Phone: +27 71 296 8473
Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

*© 2026 Indzawo Optic Connect - All rights reserved*