Fully Dielectric Robust Fiber Optic Cable

Use with Opsens' WLPI fiber optic sensors
• Pressure • Temperature • Strain • Position

FEATURES

- Ideal for pipelines and oil application
- No metal parts - fully dielectric
- Very robust
- Can be ruggedized with different jacket option

APPLICATIONS

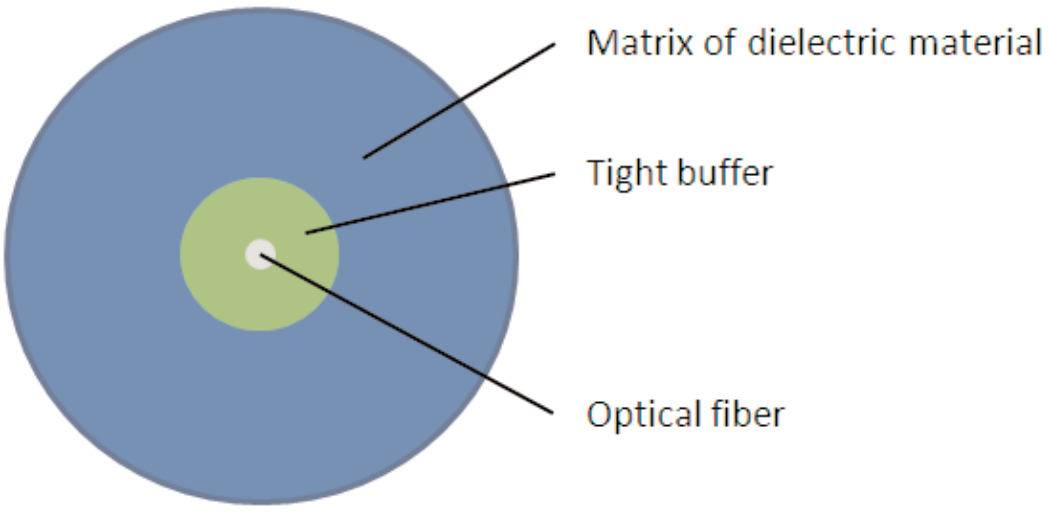
- Long-term monitoring
- In-situ process monitoring with high pressure
- Civil engineering and geotechnical applications High voltage environments
- EMI, RFI and microwave environments
- Nuclear and hazardous environments

DESCRIPTION

The performance of the optical fiber is retained in this structure providing a very ruggedized fiber suitable for many harsh applications. It is best suited for high tensile or compressive requirements where the glass structure provides the rigidity to protect the optical fiber from harm. Additionally, this cable does not exhibit the typical curvature coming off the payoff reel like that of most cables. This makes deployments in applications such as pipelines and oil wells simpler. Applications such as strain sensing and temperature sensing in a host of environments up to 200°C are ideal for this product.

SPECIFICATIONS

- **Sheathing material (external jacket):** Polypropelene
- **Outside Diameter (external jacket):** 6 mm
- **Outside Diameter (tight buffer):** 0.600 ±0.03 mm
- **Maximum Temperature:** 85°C
- **Bend Diameter:** 50x external diameter



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