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Applied Optical Technologies

INDUSTRIAL

INDUSTRIAL CABLES

An ISO 13485:2016 Certified Company

Advantage of Fibre Optic in Industries:

- Electrically Insulated
- Safe in High Temperature environment
- Safety in inflammable area.
- Non Corrosive
- Electromagnetically Insulated
- Ideal for small working area application.

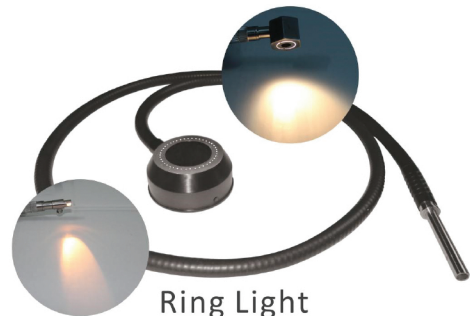
Application:

- Non-Contact Temperature measurement
- Flame Scanner
- Machine Vision
- Sensors
- UV Curing
- Material Investigation



Concentric

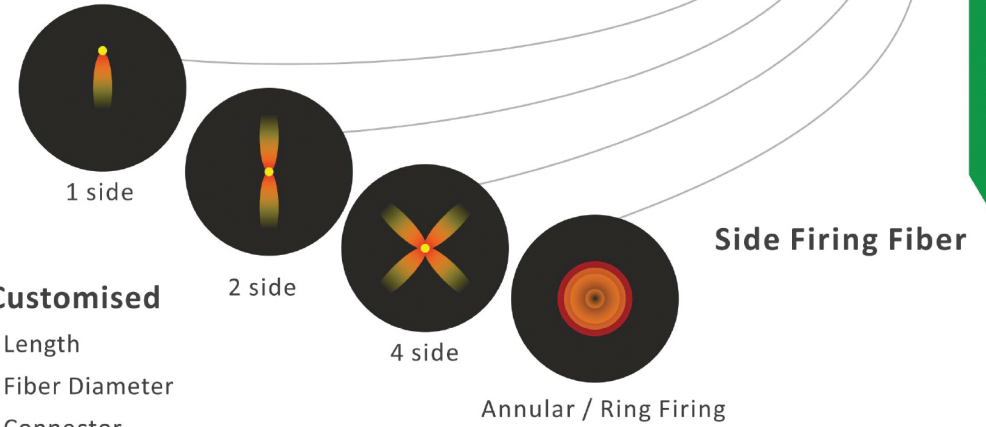
Random



Ring Light



LASER FIBRE CABLES



1 side

2 side

4 side

Annular / Ring Firing

Side Firing Fiber

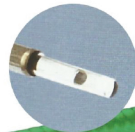
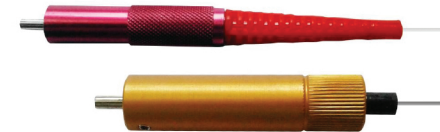
Customised

- Length
- Fiber Diameter
- Connector

SPECIFICATIONS

- Fiber Type: Quarz / Quarz, Quarz / Quarz / Hard Clad, Quarz / Hard Clad
- Fiber Coating: Polyimide, Nylon, Tefzel, Acrylate
- Fiber Core Diameter: 2 0 0 μ m, 4 0 0 μ m, 6 0 0 μ m, 8 0 0 μ m, 1 0 0 0 μ m
- Numerical Aperture: NA 0.22 - 0.37 (+/- 0.02)
- Wavelengths: High OH: UV - Vis: 190nm – 1250nm / Low OH: Vis - IR: 300nm – 2400nm
- Connector: SMA 905, FC, other
- Fiber Termination: Straight, Side Fire, Annular / Ring Fire
- Standard length: 3.0 mtr, Customisation possible

Connector - SMA 905, FC



SALIENT FEATURES

- Custom designed Fiber Tip Assemblies for precise beam control for optimum control over beam delivery or collection for applications
- Laser Lithotripsy
- Enlarged Prostate Treatment
- Surgical Illumination
- Tissue Perforation and Ablation



Endprobe



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