

Coreless Fibre (CLF)

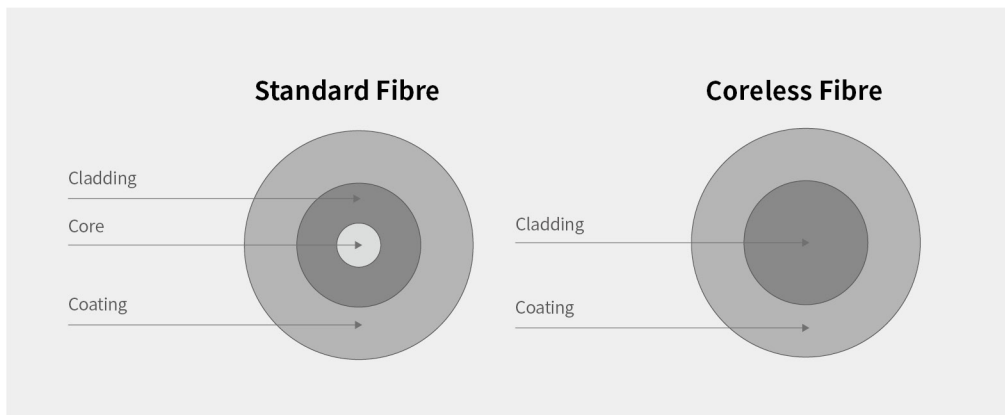
YOFC coreless fibre, which is coreless, only includes a solid silica cladding surrounded by a transparent coating material, acrylate. Coreless fibres with $\Phi 125\mu\text{m}$ or $\Phi 250\mu\text{m}$ silica cladding are our standard products. Besides, customized fibres with special requirements are available.

Characteristics

- High geometrical precision
- Using F300 glass material as cladding material
- Attributed to adopting the commonly used UV curing dual-layer acrylate as coating material, the coating is easy to be stripped off
- Excellent mechanical properties

Applications

- Spliced with unused branches of fibre components to minimize back reflections
- Used as fibre end caps to prevent laser-induced fibre damage



Specifications

Fibre Type	CL 0/125-0/250	CL 0/250-0/500	CL 0/62.5-0/165
Part No.	CL1010-A	CL1010-B	CL1010-C
Cladding Diameter (μm)	125.0 \pm 1.0	250.0 \pm 5.0	62.5 \pm 1.0
Reflection Index@1550nm	1.444	1.444	1.444
Coating Diameter (μm)	245.0 \pm 10.0	500.0 \pm 15.0	165.0 \pm 5.0
Proof Test (kpsi)	100	100	100

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