

# Air Clad Silica Core Fibers

IXF-ACF

These pure silica core multimode fibres offer both a large core diameter and ultra high numerical aperture which make them particularly suited for power delivery and light collection for spectroscopy application from the visible range to the near-infrared.

Partnership with  **PHOTONICS**  
BRETAGNE  
Product line **PERFOS**

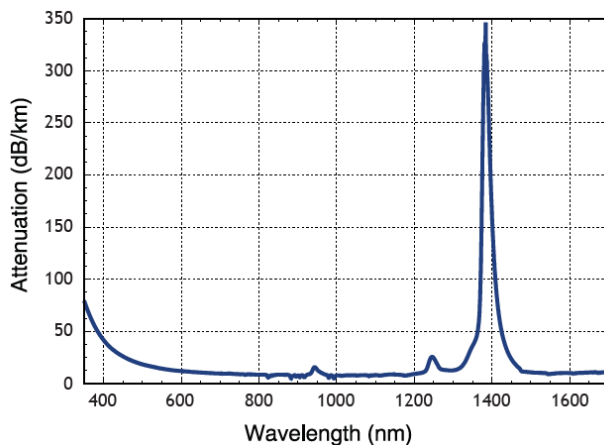


## FEATURES & BENEFITS

- Pure silica core
- Multimode
- Ultra-high numerical aperture

## APPLICATIONS

- Power delivery
- Spectroscopy



*Typical measured attenuation*



# IXF-ACF TECHNICAL SPECIFICATIONS

## Parameters

P/N: IXF-ACF-	50-80	80-125	100-160	165-265	180-290	200-320
Material	silica					
Core diameter (µm)	50 ± 3	79 ± 3	100 ± 3	165 ± 2	180 ± 3	198 ± 3
Web thickness (nm)	155 ± 15	280 ± 20	500 ± 100	360 ± 20	270 ± 50	550 ± 100
Cladding diameter (µm)	80 ± 5	126 ± 3 µm	160 ± 5	265 ± 5	290 ± 5	320 ± 5
Coating outside diameter	240 ± 10	255 ± 10 µm	260 ± 10	460 ± 5	465 ± 5	475 ± 5
Coating type	dual coat high index acrylate					
Background loss @ 850 nm* (dB/km)	< 25					
Background loss @ 1300 nm* (dB/km)	< 25					
Background loss @ 1550 nm* (dB/km)	< 25					
OH content (ppm)	< 4					
Numerical aperture	> 0.48					

\* Multimode OTDR measurement, launch from an OM3 50-125 .21 NA fibre

*Specifications are subject to change without notice*