

Single Mode Coupling fibre 1060

Description

YOFC 1060 single mode Coupling fibre is developed for components. Manufactured with patented plasma chemical deposition process, YOFC 1060 single mode Coupling fibres offer exceptional uniformity and core/clad concentricity specifications, very tight second mode cut-off tolerances, and tighter bend radius applications in miniaturized fibre optic packages.

Application

- Pump diode pigtailed
- Component fibre for EDFAs
- Couplers

Features and benefits

- Produced by patented PCVD process
- Exceptional uniformity and core/clad concentricity
- Mode field diameter matched to Erbium doped fibre for efficient coupling
- Low insertion loss enables higher component performance
- High proof test levels for tight bends

Specifications

fibre type	YOFC 1060	Units
Optical Properties		
MFD@980nm	5.9 ± 0.3	μm
MFD@1060nm	6.2 ± 0.3	μm
Second mode Cut-off	920 ± 50	nm
Attenuation @ 980nm	≤ 2.1	dB/km
Attenuation @ 1060nm	≤ 1.5	dB/km
Numerical Aperture (nominal)	0.14	
Geometrical and mechanical characteristics		
Clad diameter	125 ± 0.7	μm
Coating diameter	245 ± 10	μm
Core-Clad Concentricity	≤ 0.3	μm
Proof Test Level	100, 200	kpsi
Coating Material	UV Cured, Dual Acrylate	
Operating temperature	-60 to + 85	°C
Delivery Lengths	$>0.5, <25$	km