Single Mode Coupling Fibre 980

Description

YOFC 980 single mode Coupling fibre is developed for components. Manufactured with patented plasma chemical deposition process, YOFC 980 single mode Coupling fibres offer exceptional uniformity and core/clad concentricity specifications, very tight second mode cut-off tolerances and small bending radius applications in miniaturized fibre optic packages. These high-performance specifications help to increase component reliability, improve production yields and reduce component manufacturer costs.

Appl cation

- Pump diode pigtails
- 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
- Extremely tight second mode cut-off tolerances for high yield coupler manufacturing
- High proof test levels for tight bends

Specifications

fibre type	YOFC 980	Un ts
Optical Properties		
MFD@980nm	4 2±0 3	μ m
Second mode Cut-off	920±50	nm
Attenuation @ 980nm	≤2 5	dB/km
Numerical Aperture (nominal)	0.20	
Geomterical and mechanical characteristics		
Clad diameter	125±0 7	μ m
Coating diameter	245±10	μ m
Core Clad Concentricity	≤0 3	μ m
Proof Test Level	100 200	kpsi
Coating Material	UV Cured, Dual Acrylate	
Operating temperature	−60 to + 85	℃
Bending Dependence Induced Attenuation@1550nm	≤0 1	dB
Delivery Lengths	>0.5, <25	km

YOFC-MD-208E
Product Code: 569wy
Issue date:2005-08