

Diffused Core Splices

The ever increasing number of applications for optical fiber in the areas of optical communications and fiber sensors has led to a multitude of different fiber types being used. Modern systems can have a combination of different fiber types in a single installation. This leads to a requirement for low loss jointing of fibers with radically different core diameters, cladding diameters and core refractive index profiles.

Feasa has developed a core diffusion process which allows the splice loss between any pair of equal diameter single-mode fibers to be radically reduced.



APPLICATIONS

- DWDM Systems
- OADM
- Optical Amplifiers
- Dispersion Compensators
- Laser Pigtailling
- Waveguide Pigtailling
- Sensors
- Gyroscopes

FEATURES

- Extremely low loss
- Small Package Size
- Wide range of fiber types
- High reliability

SPECIFICATIONS

Parameter	Typical Loss
High NA Fiber	0.05db
Photosensitive Fibers	0.05db
Waveguide Matching Fibers	0.05db
Bend Insensitive Fibers	0.05db
Erbium Doped Fibers	0.05db
Dispersion Shifted Fibers	0.05db
Dispersion Compensating Fibers	0.17db

ORDERING INFORMATION

No specific order numbers exist. Ring or email with your specific fiber types for a quotation.