

# DIAMOND

## Fiber Optic Components

### CABLE ASSEMBLIES AND ADAPTERS

Thanks to its different technologies, mechanical and optical interfaces, the E-2000™ fiber optic connector family can cover the most standard and customized requirements in response to the increasingly customer demands. The family includes: simplex, compact and backplane connectors and adapters, as well as a series of network accessories such as: attenuators, hybrid adapters, transition adapters, terminators, reflectors and receptacles.

### FEATURES AND BENEFITS INCLUDE

- ▶ Color-coding and mechanical keying to ensure correct matings.
- ▶ Spring-loaded protective cap for high power applications providing increased safety protection
- ▶ Specially designed body to prevent endface damage during mating
- ▶ Modular designed mating adapters with metal protective shutters for high power applications
- ▶ EtO sterilizable components with optional O-ring seals IP65-rated (for E-2000™ Simplex and Compact) for safety, reliability, and quality in biomedical markets and applications subject to special environmental conditions.
- ▶ E-2000™ Simplex with non-magnetic components available
- ▶ Assemblies available with different plastic and metal flexible jacketing: Elastometer (Hytrel), PEEK (Vitrex 450), PA (Nylon), PTFE (Teflon), Stainless steel.
- ▶ Diamond composite ferrule (zirconia ceramic sleeve and titanium insert):
  - Allows plastic deformation for our Active Core Alignment (A.C.A)
  - Unique 0.1 dB Insertion Loss
  - Custom drill sizes from 80µm to 800µm
  - Superior Ultra polishing
  - Custom ferrules for multi-fiber technology
  - Ultra-low ferrule O.D. tolerances



### AVAILABLE TECHNOLOGIES AND OPTICAL INTERFACES

- ▶ PS optical interfaces: PS collimated, PSf free space, PM-PS, PSi Free Standing, PSm Multimode, PSc collimator.
- ▶ Polarization Maintaining (PM)
- ▶ VIS/NIR for low wavelengths and small core fibers
- ▶ Optical Line Identification OLID assemblies
- ▶ E-2000™ FUSION for easy field termination of MM and SM fibers
- ▶ E-2000™ Crimp & Cleave for field termination of 200/230 µm HCS-fiber

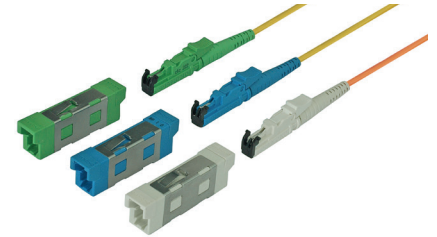


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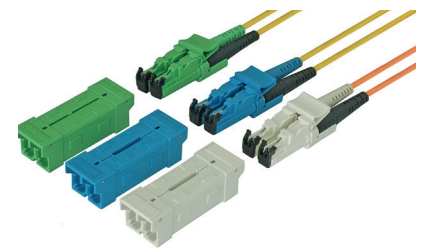
[www.diamond-fo.com](http://www.diamond-fo.com)

### E-2000™ Family

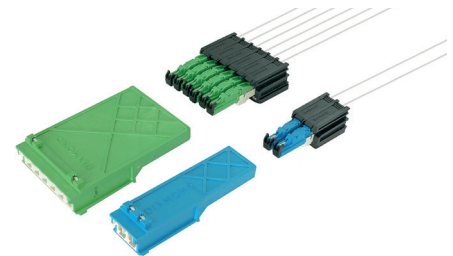
SINGLE MODE PC/APC  
MULTIMODE PC  
PS, PSf, PM-PS, PSi, PSm, PSc, PM,  
VIS/NIR



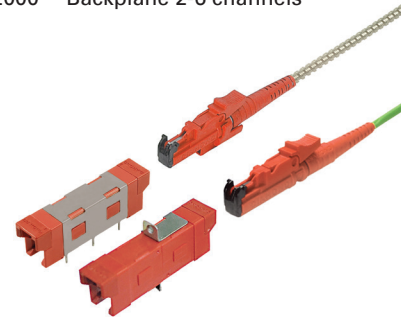
E-2000™ Simplex



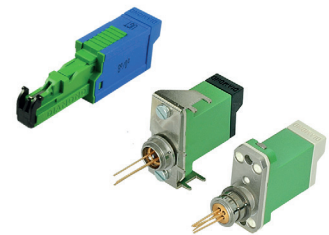
E-2000™ Compact



E-2000™ Backplane 2-6 channels



E-2000™ Interlock and Power Solution (PS)



E-2000™ Accessories and active modules

Specifications subject to change  
without notice

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