

# DIAMOND OLiD

## Fiber Optic Components

### OLiD INTELLIGENT COMPONENTS

DIAMOND OLiD pigtails and patchcords are products that include FBG (Fiber Bragg Grating) technology and are suitable for permanent integration into fiber optic P2P networks. These can be installed anywhere along a fiber optic line, typically in the central office or in the OTO (Optical Termination Outlet). OLiD assemblies allow clear Optical Line Identification thanks to an FBG code directly written into the fiber, and does not interfere with standard P2P telecom wavelengths.

In a P2P network installation, this technology is used to identify each fiber line and manage the OLiD information through a database owned by the network operator. The OLiD can also be remotely read using the Diamond OLiD interrogator.

After installation, an acceptance test can be carried out by verifying that each network section is connected correctly according to the planning.

Following line activation, OLiD assemblies guarantee quick detection of network outages, and offer a valid support tool during the troubleshooting process.

### FEATURES AND BENEFITS

- ▶ Allows a unique address to be assigned to each client
- ▶ Up to 48 different OLiD in the range of 800nm to 870nm
- ▶ Fewer accesses to private premises required thanks to remote interrogation
- ▶ Quick detection of outages and rapid troubleshooting process
- ▶ No interference with standard P2P telecom wavelengths
- ▶ Negligible additional Insertion Loss (IL)

### AVAILABLE OLiD PIGTAILS AND PATCHCORDS

- ▶ E-2000® APC
- ▶ F-3000® APC
- ▶ SC APC
- ▶ Other types upon request

### DIAMOND OLiD INTERROGATOR

The Diamond OLiD interrogator kit contains all the tools and instructions needed to perform an Optical Line Identification on P2P networks

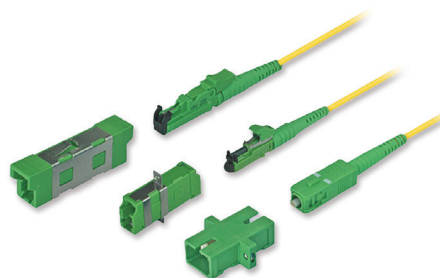


### ORDER INFORMATION

Please contact your nearest local Diamond representative or fill in the contact form available on the [www.diamond-fo.com](http://www.diamond-fo.com) website.

## OLiD Assemblies

### SINGLE MODE APC



# OLiD

Optical Line Identification