DIA M O N D
DiaFlex
The Flexible Fan-Out Interconnect
Flexible Multi-Fiber Harsh Environment Connector

The Diamond DiaFlex connector family is a multi-fiber solution designed for maximum reliability and flexibility during installation, operation, and maintenance of fiber optic networks in protected or unprotected environments. Connector configurations (fan-out or single cable) can be interchanged quickly and effortlessly to accommodate a broad variety of permanent or temporary requirements inside racks, between racks, within buildings, or in outdoor deployments. The DiaFlex comes fully assembled and tested, which eliminates the need for on-site splices or other time consuming manipulations. The DiaFlex supports MM, SM (PC/APC) and small-core fibers, as well as, other specialty fiber types.

IP68 Rated Fan-Out Version

Since the fiber whips can be removed and replaced via a connector system in the divider, the Fan-Out Version provides greater flexibility in the installation of fiber-optic networks. The small design of the feed-in cap allows for cables to be inserted directly into pipes or cable ducts.

Main Features

- IP68 sealing protection
- Small feed-in cap diameter (pull force up to 700 N)
- Preassembled and fully tested
- DiaFlex with 8, 12 or 24 fibers
- Fan-Out compatible with all connector terminations
- Protective cap with feed-in eye
- Quick and easy deployment
- Robust, compact metal construction
- Fully tested according to IEC / MIL specs.

Applications

The DiaFlex connector is versatile and can be used in a wide variety of applications. The Fan-Out version with its flexible fiber whips is typically used for telescoping, broadcasting and de-centralized data centers. The standard connector version is often used in auto racing for data transmission, as well as, in other environments where robust and reliable connectors are required.