

ARIA

Fiber Optic Connectivity Products

Optical Amplifier Drop Cable Assemblies



ARIA's Optical Assemblies are specifically designed to connect the Optical Network Unit (ONU) to the optical drop cable. This unique product provides the end-user with the ability to configure the system with pre-connectorized cables, dropped at the node location, and splice enclosure.

The entry connector is composed of two parts, the furcation unit and the entry connector. The furcation unit terminates the cable with 2.0 or 1.6 mm Fan-Out tubes for each 250 μ m fiber. 2.00 mm tube for 6 Fiber Cables and 1.6 mm for 8 and 10 fiber cables. The entry connector encloses the outside plant cable, clamps

the support members, secures the armored jacket if present, and provides a stable strong connection to the amplifier housing.

To guarantee the flexibility necessary inside the amplifier or node housing, different Fan-Out support tube lengths and a variety of fiber optic connector types are available.

This product design allows the connectors and fibers to be fed into the Amplifier housing from the outside. Cable length up to 1,000 feet can be supplied to eliminate additional splice points, hardware, and labor time at the node location.

When Performance Counts

Optical Amplifier Drop Cable Assemblies

Features and Benefits

- * **Available in cable lengths up to 1,000 feet.**
 - * **Standard lengths 25, 50, 75, 100 and 150 feet.**
 - * **Eliminates additional splice points and hardware at the amplifier location.**
 - * **Provides protection against inside and outside water penetration when coupled with heatshrink.**
 - * **Eliminates pistoning of the cable core. The Opto-Entry fitting provides pull strength of 450 lbs..**
 - * **Other Cable Designs:**
 - Tight Buffer Polyurethane Breakout Construction Cable with 2.00 mm color coded sub units and ASTM-2 Chemical Resistant Jacket. This cable is very flexible, easy to install, easy to lash, and functions with high reliability in cold, hot, and harsh environments.**
 - * **Guarantees maximum clearance inside amplifier housing.**
 - * **Available with a variety of fiber optic connector types.**
 - * **Provides time savings and easy installation.**
 - * **Rugged design.**
- It is suggested to prevent water penetration with any entry connector to use Raychem or Canusa heat shrink with moisture block. This will also assist with potential pull-out forces on the cable.**
- An 8 inch length of Canusa heat shrink, connector cleaning instructions, and installation instructions are included with each Drop Cable Assembly.**

