

## 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-terminated 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 $\mu$ m fiber, 2.00 mm tube for 6 fiber cables, and 1.6 mm for 8 and 12 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. Please note Bend Insensitive Fiber is available. Please contact Factory.

# 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:
- \* Guarantees maximum clearance inside amplifier housing.
  - \* Available with a variety of fiber optic connector types.
  - \* Provides time savings and easy installation.
  - \* Rugged design.

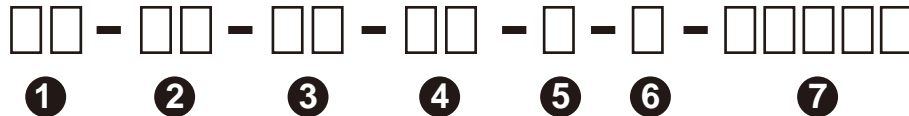
It is suggested to prevent water penetration with any entry connector to use Raychem or Canusa epoxy lined heat shrink with moisture block. This will also assist with potential pull-out forces on the cable.

An 8 inch length of Canusa epoxy lined heat shrink, connector cleaning instructions, and installation instructions are included with each Drop Cable Assembly.

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.

# Drop Cable Ordering Information

**Part Number:**



**1. Connector Type**

50 = FC/UPC  
 51 = SC/UPC  
 52 = LC/UPC  
 60 = FC/APC  
 61 = SC/APC  
 62 = LC/APC  
 63 = E2000/APC

UPC Return Loss -55dB  
 APC Return Loss -65dB

**2. Fiber Leg Length**

XX= Length in Inches  
 of 2.0mm

Example:  
 28 = 28"  
 30 = 30"

**3. Number of Connectors**

02 = 2 Connectors  
 03 = 3 Connectors  
 04 = 4 Connectors  
 05 = 5 Connectors  
 06 = 6 Connectors  
 07 = 7 Connectors  
 08 = 8 Connectors  
 09 = 9 Connectors  
 10 = 10 Connectors  
 11 = 11 Connectors  
 12 = 12 Connectors

**4. Select Fiber Count**

02 = 2 Fibers  
 03 = 3 Fibers  
 04 = 4 Fibers  
 05 = 5 Fibers  
 06 = 6 Fibers  
 07 = 7 Fibers  
 08 = 8 Fibers  
 09 = 9 Fibers  
 10 = 10 Fibers  
 11 = 11 Fibers  
 12 = 12 Fibers

**5. Cable Type**

A = Central Tube Armor  
 (Single Armored)  
 B = Central Tube Non  
 Armor  
 P = Polyurethane Fan Out  
 X = Custom Cable or  
 Other Design

Bend Insensitive Fiber  
 Available Call Factory

**6. Fitting**

O = Opto-Entry (5/8 -24)  
 S = Opto-Entry Stainless  
 Z = Opto-Short Stainless  
 2.5 inches

**7. Overall Cable Length**

XXXXU = (Length, Unit)  
 Example:  
 100F = 100 Feet  
 20M = 20 Meters  
 (Up to 1000 Feet)