

Optical Amplifier Drop Cable Assemblies

ARIA Optical Amplifier Drop Cable Assemblies provide connectivity to an Optical Network Unit (ONU).

They feature a rugged design and eliminate the need for additional splice points and hardware at the amplifier location.

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.

Cable lengths up to 1,000 feet can be supplied to eliminate additional splice points, hardware, and labor time at the node location.

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



Overview

The furcation unit terminates the cable with 2.0mm fan-out tubes for each 250µm fiber.

The entry connector encloses the outside plant cable with a waterproof connection that secures the armored jacket if present and provides a stable strong connection to the amplifier housing using the industry standard thread size.

The connectors and fibers can be fed into the amplifier housing from the outside.

In order to prevent water penetration with any entry connector, use Raychem or Canusa epoxy lined heatshrink with moisture block. This will also resist potential destructive forces on the cable. 8 inches of Canusa epoxy lined heat shrink, connector cleaning instructions, and installation instructions are included with each Optical Amplifier Drop Cable Assembly.

Features

- Available in cable lengths up to 1,000 feet
- Standard lengths are 25, 50, 75, 100, and 150 feet
- Provides protection against inside and outside water penetration when coupled with heatshrink
- Eliminates pistoning of the cable core. The Opto-Entry fitting provides a pull strength of 450 lbs
- Rugged design
- Provides time savings and easy installation
- Guarantees maximum clearance inside the amplifier housing
- Average UPC Return Loss: -58dB
- Average APC Return Loss: -68dB

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Part Number



1 Connector Type

FCU = FC/UPC
 SCU = SC/UPC
 LCU = LC/UPC
 FCA = FC/APC
 SCA = SC/APC
 LCA = LC/APC
 E2A = E2000 APC

2 Breakout Length

XX = Length in Inches

Example:
 28 = 28 inches

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 Cable Type

OPA = Outside Plant Armored (PE Jacket)
 OPN = Outside Plant Non-Armored (PE Jacket)
 IOP = Indoor/Outdoor (PU Jacket)

Contact sales department for more cable options

5 Fitting Type

O = Opto-Entry (5/8"-24)
 9 = Opto-Entry (5/8"-24) with 90 Degree Fitting
 S = Opto-Entry Stainless
 Z = Opto-Short Stainless 2.5 inches

6 Overall Cable Length

XXXXF = XXX Feet
 XXXM = XXX Meters

Example: 025F = 25 feet