

# Service Cables (Node Tails)

## Fiber Optic Cable Assemblies

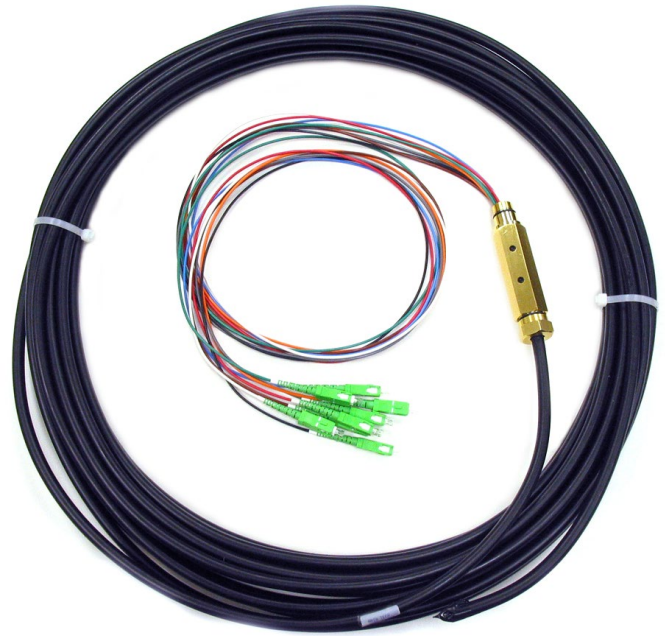
ARIA Service Cables (Node Tails) provide connectivity to an Optical Network Unit (ONU).

These optical amplifier drop cable assemblies 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.

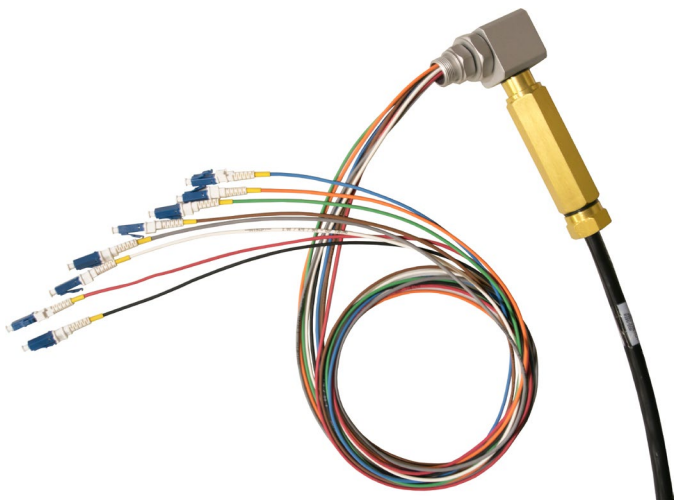
The connectors and fibers can be fed into the amplifier housing from the outside.

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 Service Cable.

## 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
- The Opto-Entry fitting eliminates pistoning of the cable core and 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: -55dB
- Average APC Return Loss: -65dB

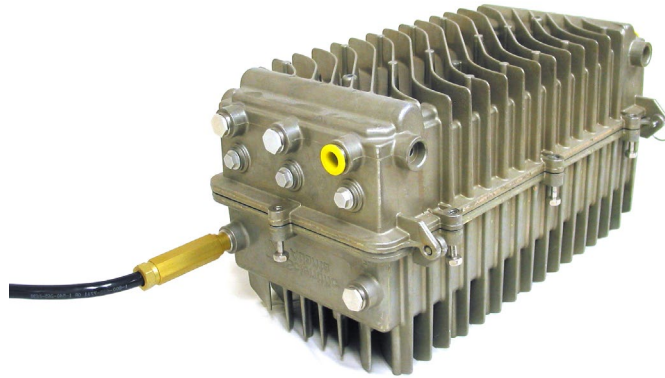
## 90 Degree Fitting Available



# Service Cables (Node Tails)

## Fiber Optic Cable Assemblies

### Node Tail Shown Attached



### Part Number

NT- 1 1 - 2 2 - 3 3 3 - 4 4 - 5 - 6 6 - 7

#### 1 Cable Type

AR = Outside Plant  
Armored  
NA = Outside Plant  
Non-Armored

Contact sales department  
for more cable options

#### 2 Number of Fibers

XX = XX Fibers

Example:  
12 = 12 Fibers

Note: 24 Fibers Maximum

#### 3 Connector Type

SC = SC  
LC = LC  
FC = FC  
ST = ST  
E2 = E2000  
00 = No Connector

Note: Add NC to Remove Duplex  
Clips on Non-Uniboot SC or Non-  
Uniboot LC Connectors

#### 3 Polish Type

U = UPC  
A = APC\*  
0 = No Connector

\*Unavailable for ST

#### 4 Breakout Length

XX = Length in Inches

Example: 36 = 36 inches

#### 5 Breakout Diameter

2 = 2mm  
9 = 900µm

#### 6 Fitting Type

OE = Opto-Entry (5/8"-24)  
90 = Opto-Entry (5/8"-24)  
with 90 Degree Fitting

#### 7 Overall Cable Length

Add -PE for a Pulling Eye

XXXF = XXX Feet  
XXXM = XXX Meters