

CATV Node Assembly

CORNING

Features and Benefits

Withstands 400 lbs pull-out force
Protects the integrity of connection

Rugged design
Provides protection against inside and outside water penetration

Cable lengths up to 3000 ft
Eliminates the need for additional splice points, hardware and labor time at the node location

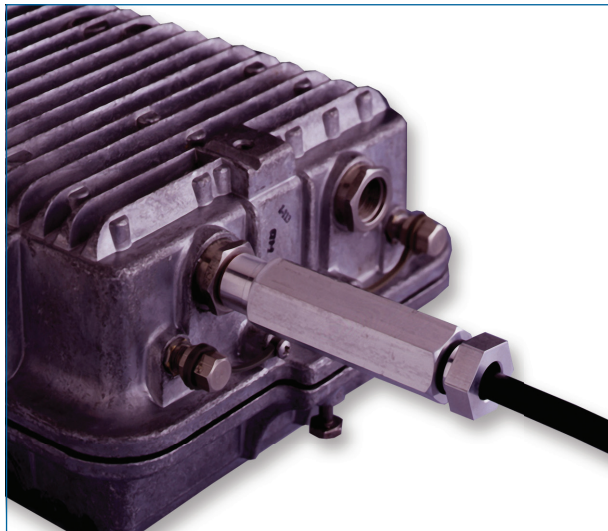
Factory-installed and factory-tested connectors
Guarantees the performance needed

Available with a variety of leg lengths and connector types
Ensures the flexibility needed inside the node

The CATV Node Assembly is specifically designed to connect an HFC node to the fiber optic distribution cable. This unique design enables the end user to configure the system with preconnectorized cables dropped at the node location.

The CATV Node Assembly is composed of two parts: the furcation unit and the fitting. The furcation unit terminates the cable with an epoxy stub and supports two to 12 fibers. The fibers are fanned out with 900 μm , 2 mm or 3 mm subunits, depending on the amount of protection needed (3 mm protection is offered on cables with two to six fibers only). The metal fitting encloses the epoxy and links the furcation unit to any hardware, providing a 5/8-in threaded input port. Connectors and fibers can be fed into the housing from the outside.

The CATV Node Assembly's furcation method provides a continuous path from the splice closure to the node location. Each 250 μm fiber is fed through a 900 μm , 2 mm or 3 mm tube for added protection. The 900 μm tubes are unitized by a spiral wrap, making fiber routing in the node easy. An epoxy-filled stainless steel sleeve strain-relieves fibers and provides protection against water penetration. It also bonds all cable components together which eliminates pistoning of the cable core. This design transfers strain directly through the strength elements of the cable to the node housing. Pull-out forces up to 400 lbs can be applied without jeopardizing the connection integrity.



CATV Node Assembly
| Photo CAPP1438



CATV Node Assembly
| Photo CRR4125

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Ordering Information

		S								-	0				
1	2	3	4	5	6	5	6	5	6	7	8	9			

1 Select fiber count.

- 2 = 2 Fibers C = 12 Fibers
- 4 = 4 Fibers E = 14 Fibers
- 6 = 6 Fibers G = 16 Fibers
- 8 = 8 Fibers J = 18 Fibers
- A = 10 Fibers

See Note 1.

2 Select cable type.

- A = SST-Drop Cable Dielectric (Flat Drop)
- C = ALTOS Non-Armored
- D = ALTOS Double Jacket, Single Armor
- E = ALTOS Single Jacket, Single Armor

3 Node Connector Type.

- S = Straight-through Node

4 Select breakout.

- E = 25 in (3mm)
- H = 36 in (3mm)
- L = 42 in (3mm)
- V = 25 in (2mm)
- Q = 36 in (2mm)
- F = 25 in (900um)
- A = 36 in (900um)

See Note 2.

5 Select connector quantity.

- | | |
|-------|--------|
| 0 = 0 | A = 10 |
| 1 = 1 | B = 11 |
| 2 = 2 | C = 12 |
| 3 = 3 | D = 13 |
| 4 = 4 | E = 14 |
| 5 = 5 | F = 15 |
| 6 = 6 | G = 16 |
| 7 = 7 | H = 17 |
| 8 = 8 | J = 18 |
| 9 = 9 | |

Largest quantity first.

6 Select connector type.

- A = FCAPC
- B = FCUPC
- C = LCAPC
- D = LCUPC
- E = SCAPC
- G = SCUPC

N = Non-terminated, furcated leg

Angled PC return loss ≥ -65 dB

Ultra PC return loss ≥ -55 dB

7 Select end B connector type.

- 0 = Pigtail

8 Select unit of measure.

- F = Feet
- M = Meters

9 Length (Tip to Top)

- 0010 - 3000 feet

Note:

- 1) All assemblies with two to six connectors will use 6-fiber cable and all assemblies with eight to 12 connectors will use 12-fiber cable. Exception is all SST-Drop assemblies will use 12-fiber cable. Additional options are available upon request.
- 2) 3 mm protective units are only offered for 2- to 6-fiber assemblies.
- 3) 14-18 fibers are only offered with Altos Non-Armored cable with 900um legs.

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Part Number Example

Part Number	Product Description
CCSV6C6E00-0F0100	12 Fiber SM Altos Non-Armored Cable, 6 LCAPC / 6 SCAPC, 25 in (2mm) legs, 100 Feet
ADSQ4C4D2G-0F0100	10 Fiber SM Altos Double Jacket Single Armor Cable, 4 LCAPC / 4 LCUPC / 2 SCUPC, 36 inch (2mm), 100 Feet
CESV8C4N00-0F0100	12 Fiber SM Altos Single Jacket Single Armor Cable, 8 LCAPC/ 4 Non-terminated legs, 25 in (2mm) legs, 100 Feet



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