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
Delivers reliable performance

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

Fast Access Binderless
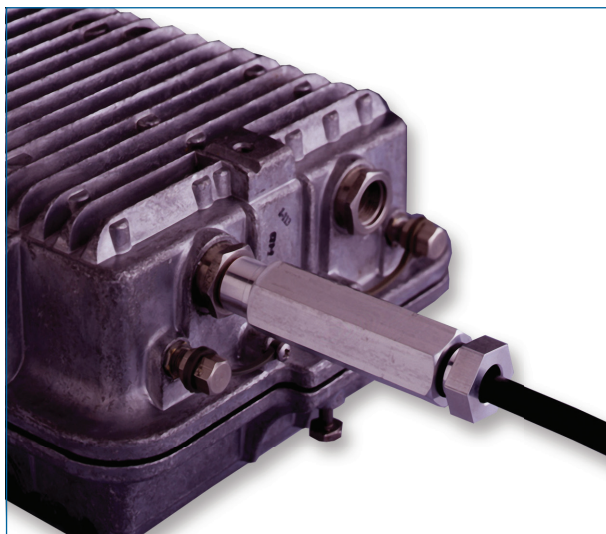Available on Altos Non-Armored and Altos Single Jacket, Single Armor options

Standards

Design and Test Criteria	IP68 Rated
	Dust-proof and watertight

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.

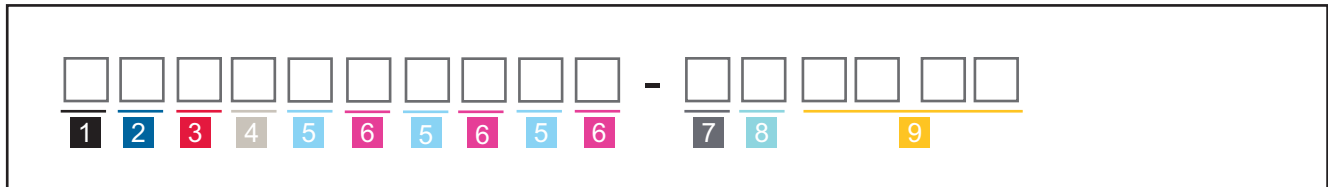**CATV Node Assembly**
| Photo CAPPP1438

CATV Node Assembly
| Photo CRR4125

CATV Node Assembly

Ordering Information

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1 2 3 4 5 6 5 6 5 6   7 8   9

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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 (Fast Access Binderless)
D = ALTOS Double Jacket, Single Armor
E = ALTOS Single Jacket, Single Armor (Fast Acess Binderless)

3 Node Connector Type.

S = Straight-Through Node
9 = 90 Degree Node

4 Select breakout.

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

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	

6 Select connector type.

A = FC APC
B = FC UPC
C = LC APC
D = LC UPC
E = SC APC
G = SC UPC
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
N = OptiTip Pinless
P = OptiTip Pinned

8 Select unit of measure.

F = Feet
M = Meters

9 Length (Tip to Top)

0010 - 3000 ft

See Note 4.

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 900 µm legs.
4) Lengths less than or equal to 250 feet will ship in a bag, in box. Lengths greater than or equal to 251 feet will ship on a reel.

CATV Node Assembly

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Part Number Example	
Part Number	Product Description
CCSV6C6E00-0F0100	12-Fiber Single-Mode ALTOS® Non-Armored Cable, 6 LC APC/6 SC APC 25-in (2 mm) legs, 100 ft
ADSQ4C4D2G-0F0100	10-Fiber, Single-Mode ALTOS Double-Jacket, Single-Armored Cable, 4 LC APC/4 LC UPC/2 SC UPC 36-in (2 mm), 100 ft
CESV8C4N00-0F0100	12-Fiber Single-Mode ALTOS Single-Jacket, Single-Armored Cable, 8 LC APC/4 non-terminated legs, 25-in (2 mm) legs, 100 ft

RoHS COMPLIANT

CORNING