

OptiFit® 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 6500 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

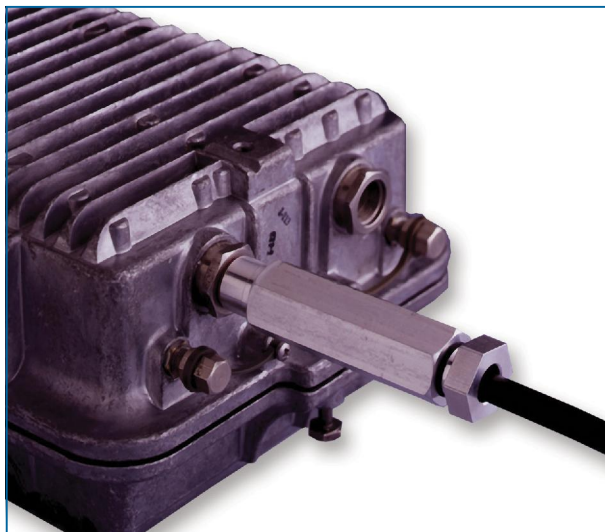
Available with a variety of leg lengths and connector types

Ensures the flexibility needed inside the node

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

The OptiFit 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 μ m, 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 OptiFit Node Assembly's furcation method provides a continuous path from the splice closure to the node location. Each 250 μ m fiber is fed through a 900 μ m, 2 mm or 3 mm tube for added protection. The 900 μ m 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.



OptiFit Node Assembly
| Photo CAPPP1438



OptiFit Node Assembly
| Photo CAPSS1721

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Ordering Information

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1		2		3		4				5			6

1 Select connector type.

54 = FC ultra PC
21 = FC angled PC
58 = SC ultra PC
44 = SC angled PC
*Ultra PC return loss $\geq$ -55 dB
Angled PC return loss $\geq$ -70 dB*

2 Select fiber protection and leg length.

M = 12 in (3 mm)
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 μ m)
A = 36 in (900 μ m)
See Note 1.

3 Select number of connectors to be installed.

02 = Two connectors
04 = Four connectors
06 = Six connectors
08 = Eight connectors
12 = Twelve connectors

4 Select fiber count.

02 = Two fibers
04 = Four fibers
06 = Six fibers
08 = Eight fibers
12 = Twelve fibers
See Note 2.

5 Select cable type.

FA = SST-Drop Dielectric Cable (flat drop)
GA = SST-Drop Armored Cable
GF = ALTOS Gel-Free Non-Armored Cable
GL = ALTOS Gel-Free Armored Cable
LA = ALTOS Lite Armored Cable
MA = ALTOS Non-Armored Cable

6 Select cable length in ft.

Length up to 6500 ft
0001-6500

Note:

1) 3 mm protective units are only offered for 2- to 6-fiber assemblies.

2) 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. The exception is all SST-Drop assemblies will use 12-fiber cable. Additional options are available upon request.

3) All assemblies will have each fiber furcated. If any of the unterminated fibers are to be cut flush with the potting, contact your Corning Representative for a special part number.



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