

OptiDome™ 2 Closures

Gel-sealed dome closure

CORNING

Corning's OptiDome™ 2 closure is based on our gel-sealing concept. The small housing provides capacity for 48 splices and 12 cable entries. In addition an optical splitter up to 2x16 can be used. This feature is perfect for use within access and distribution networks, as well as for FTTH applications

Design

The gel end cap has two sections for the practical installation of uncut cables. Both parts simply snap together with no screws required. This makes the installation both fast and simple. Additional two branching and eight drop cables can be used, if necessary. These ports are closed but can be opened easily by using the supplied dummy plugs.

It is also possible to store uncut buffer tubes as well as uncut fibers. The integrated splice tray provides a capacity for either 48 or 24 splices plus one optical splitter. The closing of the cable sealing and the closure can be carried out simultaneously in one step by simply turning the locking ring. This helps reduce installation time whilst ensuring successful installations.

Features and Benefits

Fast, easy and reliable

Shorter installation time for reduced Capex and opex

Practical and simple application

Less training required

12 cable entries for different cable diameters

Possible connection of up to 10 buildings via one small closure

No special tools required

Not necessary to invest in new tools

Up to 48 splices

Suitable for FTTx (fiber-to-the-home, -business or -antenna) applications

IP 68

Usable in different environments like manholes, direct buried and on poles

Optimized for the usage of an optical splitter up to 2x16

Suitable for FTTH Networks with P2MP



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Design - Hardware

Main cable circular port count	2
Main cable range	10 mm to 17 mm
Central member fixing for main cable	Yes
Distribution cable port count	2
Distribution cable range	8 mm to 13 mm
Supported cables	Minicable
Maximum splice fiber capacity	48
System	Own
Splice Tray Type	Own
Maximum tray count	1
Heat shrink splice protector support	Yes
Heat shrink splice count per tray	48
Crimp splice protector support	No
SplicePak splice protector support	Yes
SplicePak splice count per tray	30
Splitter support	Yes
Splitter Module	2x16
Buffer Storage	installed
Water sensor tray	No
Colored trays	No
Customer logo on housing	On demand
Bulletproof housing	No
Cable Sheath Opening, typical (m)	2.7 m uncut cables 1.35 m branching cables
Capacity (number of splices)	48 without optical splitter 24 with one optical splitter
Number and Diameter of Cable Entries (mm)	Two 10-17 mm main cable, cut and uncut, two 8-13 branching cable, cut, eight 4.8-10 drop cable, cut
Size by Fiber Splice Capacity	48
Sealing Type	Gel
Closure Shape	Dome
Number of Distribution/Drop Cables ports	2 (1 in and 1out) 10 cut
Max number of trays	1
Working Environment	Pole/Manhole/Underground

Mechanical Characteristics

Dimensions: Diameter and Length	180 mm x 349 mm
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Ordering Information

Part Number	S46998-A22-A13
Product Description	OptiDome™ 2 Closure for up to 48 splices
EAN Code	4042673895343

Shipping Information

Units per Delivery	1/1
Packing dimensions (L x W x H)	540 mm x 195 mm x 195 mm (21.3 in x 7.7 in x 7.7 in)
Language installation instruction	en/ge, other languages on demand



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