



FibrDome Closure

3M™ FibrDome Closures protect fiber optic splices from the elements while providing fast and easy no-cost reentry. These closures can be installed in above-ground pedestals, hand-holes, and mounted on poles and strands. The FibrDome closure utilizes proven sealing technology and over 30 years of experience with copper protection.

Fiber splices are enclosed in a polypropylene dome that is clamped together with a stainless steel latch and sealed with an O-ring. Pre-stretched tubing is slipped over the base of the closure and onto a gel sealing collar. Pulling the plastic rip cord shrinks the tubing to an air and water tight seal around the collar. No special tools, power supply or torches are required for assembly. To reenter, simply pull the latch.

Protection Plus Flexible Fiber Management

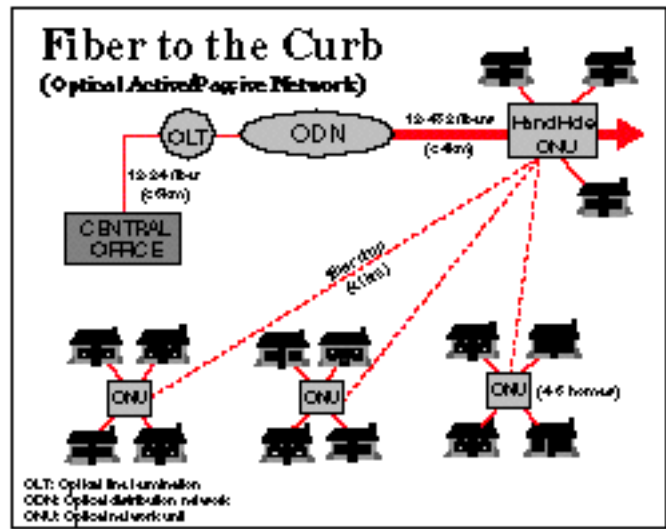
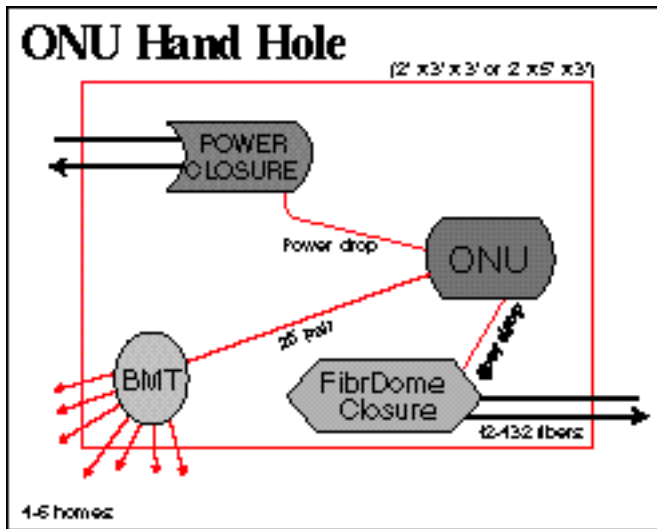
Available in two sizes, the FibrDome closure accommodates various cable constructions and splice capacities. Each tray holds two splice inserts. Four types of inserts are available to hold 3M™ Fibrlok™ splices or 3M™ Fibrlok™ Multi-Fiber Optical Splicing System, fusion or mass fusion splices.

For quick installation and field-proven performance specify 3M fiber protection products.



Protects and organizes fiber optic cables and splices with easy access.

Features	Benefits
Proven 3M sealing technology	High product reliability, minimized maintenance costs
Easy installation	No special tools, torch or power supply required
Ready access	No-cost reentry to splices; craft friendly
Flexible fiber management	Accommodates a variety of cable sizes
Flexible splice capability	1 - 96 fibers in discrete splices; 4 - 432 fibers in ribbon splices
Minimal training	Cost savings
Gel end seal technology	No compounds to mix; air tight seal over multiple cable configurations
100 lb. strain relief with shield bond connector assembly	Long product life; craft friendly—no exposed metal
Rugged and versatile design installed in a variety of environments	One system fits all; inventory costs savings



3M™ FibrDome Closure Specifications

Type	FD06	FD08
Dome size	22.5 in. x 5.6 in. x 3.7 in. (57.15 cm x 14.2 cm x 9.4 cm)	23.5 in. x 7.0 in. x 5.4 in. (59.7 cm x 17.8 cm x 13.71 cm)
Number of trays	2	4
Number of cables	6	6
Splicing capacity		
Fibrolok™ Universal Splice	24	48
Fibrolok™ Multi-Fiber	16 (192 fibers)	32 (384 fibers)
Fusion	48	96
Mass fusion	20 (240 fibers)	36 (432 fibers)
Express capacity		
Single tube discrete	90" (228.6 cm) length 192 fibers stored in trays	90" (228.6 cm) length 192 fibers stored in trays
Buffer tube	90" (228.6 cm) length 120 fibers maximum (4 buffer tubes or 120 fibers stored in trays)	90" (228.6 cm) length 216 fibers maximum (8 buffer tubes and 120 fibers stored in trays)
Ribbon	68" (172.7 cm) length 288 fibers maximum (24 ribbons stored in trays)	68" (172.7 cm) length 288 fibers maximum (24 ribbons stored in trays)
Cable capacity		
Main port (2)	0.35"-0.83" (8.9 mm-21.1 mm)	0.49"-1.30" (12.5 mm-33.0 mm)
Drop port (4)	0.35"-0.69" (8.9 mm-17.5 mm)	0.35"-0.79" (8.9 mm-20.1 mm)



3M™ FibrDome Splice tray hinges



3M™ FD08 FibrDome Closure with 4 splice trays



3M™ FibrTube Transition Tubing

Follow **5** Easy Steps for Ordering

1

For complete installation choose one of these:

	Pkg.	Min. order
FD06 FibrDome Closure		
Contains transition tray and one splice tray; capacity for one more splice tray	1 kit/cs.	1 each
FD08 FibrDome Closure		
Contains transition tray and one splice tray; capacity for three more splice trays	1 kit/cs.	1 each
FD06-WO FibrDome Closure		
Contains transition tray only, capacity for two splice trays	1 kit/cs.	1 each
FD08-WO FibrDome Closure		
Contains transition tray only; capacity for four splice trays	1 kit/cs.	1 each

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Choose one package for each splice tray:

2521-FL Fibrlok™ Splice Insert		
Holds six single mechanical splices in each insert	2/pkg. 12 pkg./cs.	12 pkg.
2521-MF Fibrlok™ Multi-Fiber Splice Insert		
Holds four multi-fiber splices in each insert	2/pkg. 12 pkg./cs.	12 pkg.
2521-F Fusion Splice Insert		
Holds twelve discrete fusion splices in each insert	2/pkg. 12 pkg./cs.	12 pkg.
2521-RF Ribbon Fusion Splice Insert		
Holds five ribbon fusion splices in each insert	2/pkg. 12 pkg./cs.	12 pkg.

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Choose one shield bond connector for each cable:

4460-D/FO Shield Bond Connector Assembly		
Provides grounding and central strength member clamp	100/pkg. 100/cs.	100 each
FD110 Ground Kit		
Includes two Scotchlok™ 4460-D/FO Shield Bond Connector Assemblies and two ground straps	12 kit/cs.	12 each



3M™ FD06 FibrDome closure with splice tray



3M™ FD08 FibrDome closure



3M™ FD06 FibrDome closure with transition tray and 2 splice trays



3M™ Scotchlok™ 4460-D/FO Shield Bond Connector Assembly



3M™ FibrDome Closure Splice Tray Kit



3M™ FibrDome Cable Addition Kit

Ordering Information Continued

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Choose additional trays as necessary :

	Pkg.	Min. Order
FD100 FibrDome Closure Splice Tray Kit		
Contains splice tray, cover, cable ties and 3M™ FibrTube transition tubing	3 kits/cs.	3 each

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Choose additional accessories as necessary :

FD106 Cable Addition Kit		
Contains PST, gel strip, cable ties, sheath scuff, FibrTube transition tubing; for reentry into FD06 Closure	1 kit/cs.	1 each
FD108 Cable Addition Kit		
Contains PST, gel strips, cable ties, sheath scuff, FibrTube transition tubing; for reentry into FD08 Closure	1 kit/cs.	1 each
2520 FibrTube transition tubing		
Protects fibers between trays; accommodates ribbon fibers	50 ft./cs.	50 each
4600-GSS Gel Sealant Strip		
Gel strip seals cables and gel core in FD06 or FD08 FibrDome Closures	50/cs.	50 each
FD120 Mounting Bracket		
Mounting bracket for FD06/FD08 closures	1 kit/cs.	1 each
FD130 Strand Mount Bracket		
Strand mounting bracket for FD06/FD08 closures	1 kit/cs.	1 each
FD06 Pull 'N' Shrink Tubing		
	5/cs.	5 each
FD08 Pull 'N' Shrink Tubing		
	5/cs.	5 each

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3M

Telecom Systems Division

6801 River Place Blvd.
Austin, TX 78726-9000
800/426 8688
FAX 800/626 0329



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