



3M™ Fiber Dome Closure Heat Shrink (FDC-HS)

Model: FDC-HS-S4

The 3M™ Fiber Dome Closures – Heat Shrink (FDC-HS) are hermetically sealed fiber dome closures designed for aerial, buried/underground above-grade and below-grade applications. These closures help meet the needs of anyone deploying fiber optic networks: long haul, metro, local access (DSL, HFC, mobile wireless backhaul) and FTTx networks.

The FDC-HS closure features an o-ring sealing system along with an innovative latching/locking mechanism. This combination is designed to allow simple, watertight closure sealing and re-entry. The closure utilizes the heat shrink technology for cable sealing which helps provide a watertight seal.

The closure is equipped with a built-in fiber management system which provides a separate area for storing, routing, protecting, and “expressing” buffer tubes, single and ribbon fibers. The hinged splice trays include a modular splice holder design which allows them to accept single fusion, single mechanical, and various mass fusion splices (4-, 6-, 8- and 12-fiber ribbon) by simply replacing the splice holder or protect event mini splitter inside.

The new closures are available in two sizes: FDC-HS-L5 and FDC-HS-S4. Both sizes are designed to be used with any type of fiber optic cable: all-dielectric or armored; loose buffer tube, slotted-core, or central tube core; single fiber or ribbon fiber (4, 6, 8 or 12).

The FDC-HS-S4 closure is equipped with one oval port for express cable applications and four round cable ports. The oval port can accommodate two cables up to 28mm (1.1”) in diameter and the round ports can accommodate cables up to 20mm (0.76”) in diameter.



Model: FDC-HS-S4 và FDC-HS-L5

Beside, when drop cable application use with diameter less than 10mm, The FDC-HS-S4 can provide 12 cables entries out and ensure capacity for nine-ty six (96) single fusion. With 4-ribbon, 6-ribbon, 8-ribbon, 12-ribbon fiber, closure can get capacity up to 192, 288, 384, 576 respectively.

An optional built-in air valve is designed for FDC-HS-S4 to allow flash testing



Heat Shrink Sealing Cable



Mechanical Locked/ Latched Re-entry Clamp

Drop Cable <10mm

3M™ Fiber Dome Closure-Heat Shrink Features and Benefits

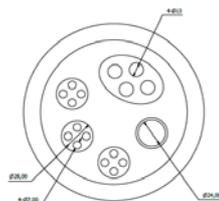
Features	Benefits
Constructed of highly chemical-resistance material	Can be deployed in most environments: aerial, buried and underground
Built-in integral multipurpose fiber storage system	Provides separate area for sorting, routing, protecting, and "expressing" buffer tubes, single and ribbon fibers
Innovative latching/locking o-ring closure sealing system	Designed to allow for a simple, watertight closure-sealing and re-entry
Heat shrink cable seal	High quality and reliable environmental sealing
Hinged tray design	Easy access to fibers/splices without removing other trays
Modular splice holder design	Accommodates various fiber splice types: single fiber and ribbon mass fusion or Mini Splitter
Common accessories and installation procedures	Enhances productivity, reduces inventory of accessories (splice trays, cable entry kits) and decreases training time

Technical Specifications

Features	FDC-HS-S4
Dimensions (L x W) mm	(460 x 160)mm
Closure material	Polypropylene
Closure sealing system	O-ring & clamping system
Splice tray	Model 2533 with 24FO capacity
Number of splice trays	04 tray 2533
Splice capacity of Closure	96FO
Grounding	# of feed-thru studs: 0 or 1
Flash test (w/optional air valve installed)	Yes; 10 PSI (69 kPa)
Number of ports/ Application	Round Port : 04 ports Oval Port : 01 port
Round Port:	4 cable entries In/Out with cable jacket is 11mm<f<20mm (without using port divider) : 16 cable entries In/Out with cable jacket is 4mm<f<7mm (using port divider 4 cable entries/port)
Oval Port	: 2 cable entries In/Out with cable jacket is 20mm<f<28mm (without using port divider) : 4 cable entries In/Out with cable jacket is 7 mm<f<13mm (using port divider 4 cable entries/port)



FDC-HS-S4 Closure with port dividers used



Oval port divider



Round port divider



Inside of FDC-HS-S4 Closure



2533 Tray



2533 tray with Splitter placed inside