

Fiber Optic Splice Cases and Trays



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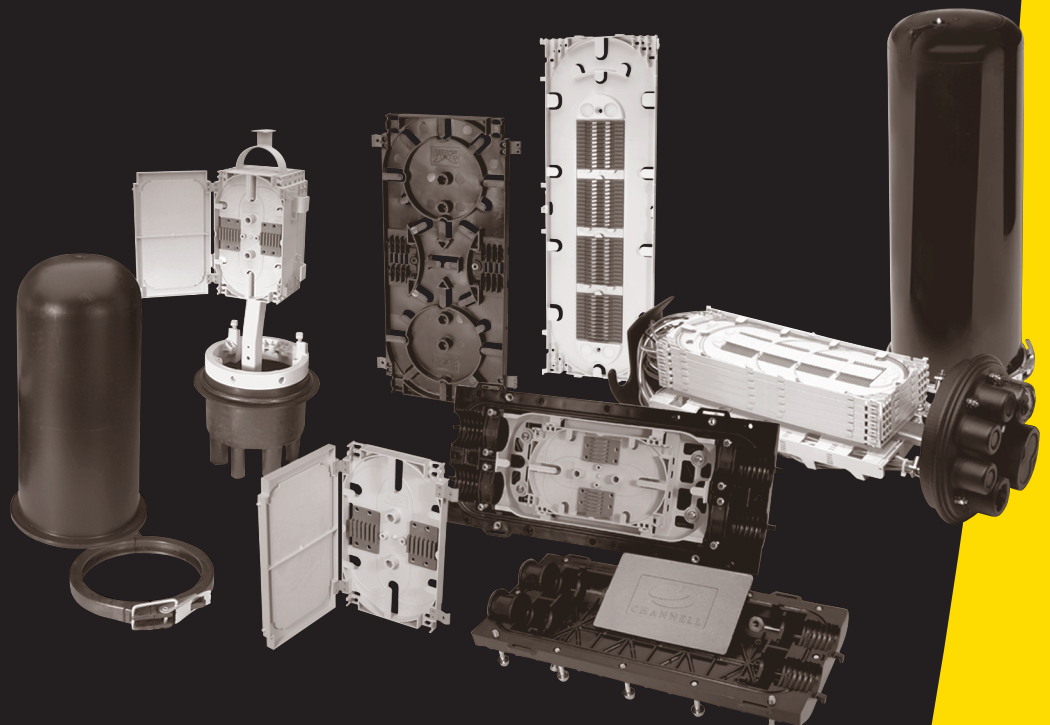


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Butt Style Splice Case Enclosures

14000 Series Fiber Optic Enclosures - 12/24 Fiber Compact Tray Design

The 14000 Series Splice cases accommodate up to 24 fibers, utilizing one or two of the compact universal 12-fiber splice tray cassettes. They are ideal for low fiber count applications such as HFC nodes, FTTC ONU's, building interface and campus/LAN applications. Designed for ease of installation and excellent cable management, the 14000 Series products are the most economical low count fiber splice cases in the industry. The 140001 enclosure has 12-fiber splice capacity. The 140002 provides an extended length cover for added cable management and accommodates up to 24 fiber splices.



Part Number 140002
24-Fiber Application
Accommodates up to 24-fiber splices



Part Number 140001
12-Fiber Application
Ideal where space is limited and 12-fiber or less splices are required.

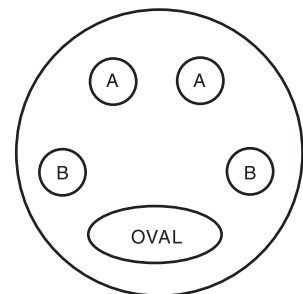
Features & Benefits for 14000 Series

- Pole/wall mount bracket included
- Built-in integral fiber management
- Unique modular splice tray cassette design
- Heatshrink ports
- Openable for re-entry
- Complete installation kit factory provisioned
- Universal splice holder clip for fusion or mechanical splices
- IP 68 rating

Dimensions

	Part Number 140001	Part Number 140002
Overall Length	10.6" (270mm)	14.2" (360mm)
Clamp Diameter	5.5" (140mm)	5.5" (140mm)
Max. Size B Port	0.63" (16mm) dia.	0.63" (16mm) dia.
Min. Size B Port	0.22" (5.5mm) dia.	0.22" (5.5mm) dia.
Max. Size A Port	0.54" (13.7mm) dia.	0.54" (13.7mm) dia.
Min. Size A Port	0.22" (5.5mm) dia.	0.22" (5.5mm) dia.
Max. Size Oval Port	2X0.88" (2X22.4mm) dia.	2X0.88" (2X22.4mm) dia.
Min Size Oval Port	1X0.74" (1X18.8mm) dia.	1X0.74" (1X18.8mm) dia.

Port Configuration



Part Number 140001 or 140002

Ordering Information

Part Number	Max. Fiber Capacity
140001	12 (1 splice tray)
140002	24 (2 splice trays)

15000 Series Fiber Optic Enclosures - 24/96 Fiber Standard Tray Design

The 15000 Series splice cases accommodate from 24 to 96 fibers, utilizing up to six of the compact universal 12-fiber tray cassettes. The 15000 Series products are modular in design and ideally suited to be “field upgraded” to add additional cables and splices as growth requirements occur. The 15000 splice cases are equipped with five single entry ports and one large oval port for “loop thru” installations. The flexible design of the 15000 products will fit distribution network applications in the local loop, including both standard and balloon/splice configurations. Excellent cable management and storage features are included as standard features, along with all components necessary to complete the installation as a factory provisioned kit.



The 15000 Series enclosures are fitted with one to six compact universal 12-fiber splice tray cassettes, providing additional storage and case management.

Dimensions

	Part Number 150001-150006
Overall Length	17.4" (443 mm)
Clamp Diameter	7.1" (181 mm)
Max. Size B Port	0.79" (20 mm) dia.
Min. Size B Port	0.24" (6 mm) dia.
Max. Size A Port	0.51" (13 mm) dia.
Min. Size A Port	0.24" (6 mm) dia.
Max. Size Oval Port	2X1.1" (2X28 mm) dia.
Min Size Oval Port	2X0.51" (2X13 mm) dia.

Ordering Information

Part Number	Max. Fiber Capacity
150001	24 (2 splice trays)
150002	36 (3 splice trays)
150003	48 (4 splice trays)
150004	60 (5 splice trays)
150005	72 (6 splice trays)
150028	96 (8 splice trays)

15000 Series Accessories



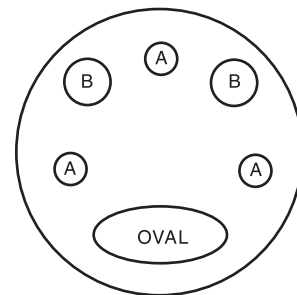
Pole / Wall Mounted Bracket

Part Number 180042
 Note: For horizontal mounting, two brackets are required.

Features & Benefits for 15000 Series

- Pole/wall mount bracket included
- Built-in integral fiber management
- Unique modular splice tray cassette design
- Heatshrink ports
- Openable for re-entry
- Complete installation kit factory provisioned
- Universal splice holder clip for fusion or mechanical splices
- IP 68 rating

Port Configuration



Part Number 150001-6

OJK-3000 Series Butt-Style Enclosures - 24/96 Fiber Standard Tray Design

The OJK-3000 fiber splice case accommodates up to 96 splices utilizing up to six (6) fiber standard sized precision molded thermoplastic splice trays. The OJK-3000 products are modular and are ideally suited to be “field upgraded” to add additional cables and splices as growth requirements occur. The OJK 3000 splice cases can be equipped with four (4) single cable entry ports and one large oval port for “loop thru” installations. The single cable cable ports are sealed with threaded plugs that can be removed quickly during initial construction and for future cable additions. The flexible design of the OJK 3000 fits distribution network applications in the local loop, including both standard and balloon/spur splice configurations. Excellent cable management and storage features are included as standard features along with all components necessary to complete the installation as a factory provisioned kit.

Optional Accessory Items Include:

- Threaded heat shrink cable seals
- Universal Mounting Bracket Kit
- Resin Pack for Secondary sealing

Features & Benefits

- Heatshrink cable seals for high quality environmental sealing
- Re-enterable for easy cable additions and upgrades
- Constructed of high performance thermoplastic materials
- Organizer trays capable of storing variable lengths of fiber
- Each tray supplied with two splice holders for heatshrink splice protectors, ribbon fiber, or mechanical splices



OJK 3052
Two fiber splice trays

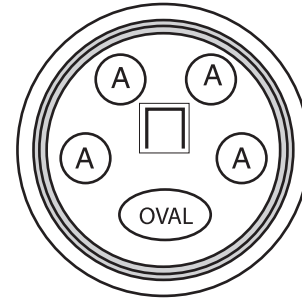


OJK 3056
Six fiber splice trays

Dimensions

Overall Length	8.62" (473mm)
Clamp Diameter	5.71" (145mm)
Max. Cable Size A Port, 1 Cable	0.89" (22.5mm)
Min. Cable Size, A Port, 1 Cable	0.16" (4mm)
Max. Cable Size, A Port, 2 Cables	0.39" (10mm)
Min. Cable Size, A Port, 2 Cables	0.12" (3mm)
Max. Size Cable, Oval Port, 1 Cable	1.34" (34mm)
Min. Size Cable, Oval Port, 1 Cable	0.71" (18mm)
Max. Size Cable, Oval Port, 2 Cables	1.02" (26mm)
Min. Size Cable, Oval Port, 2 Cables	0.39" (10mm)

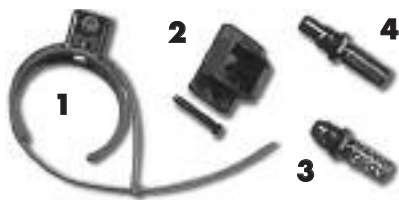
Port Configuration



Ordering Information

Part Number	Description
OJK 3052	Equipped with two (2) fiber splice trays
OJK 3053	Equipped with three (3) fiber splice trays
OJK 3054	Equipped with four (4) fiber splice trays
OJK 3056	Equipped with six (6) fiber splice trays

Accessories



Item	Part No.	Description
1	Included in OJK Kit	32'C' Bracket
2	Included in OJK Kit	Universal Mounting Bracket & Pin
3	RAC 4603	M32 Auxiliary Sealing Gland – Std
4	RAC 4711	M32 Auxiliary Sealing Gland – Extended

FiberMark1 Large Capacity Fiber Optic Splice Enclosure

The Ideal Solution For Large Capacity Voice, Data, and Video Splicing Requirements.

The FiberMark1 offers an ideal solution for larger fiber capacity voice, data, and video splicing requirements. To accommodate the ever increasing use of fiber optics throughout worldwide communication networks, Channell's complete family of fiber optic splice enclosures deliver the key advantage of future expandability.

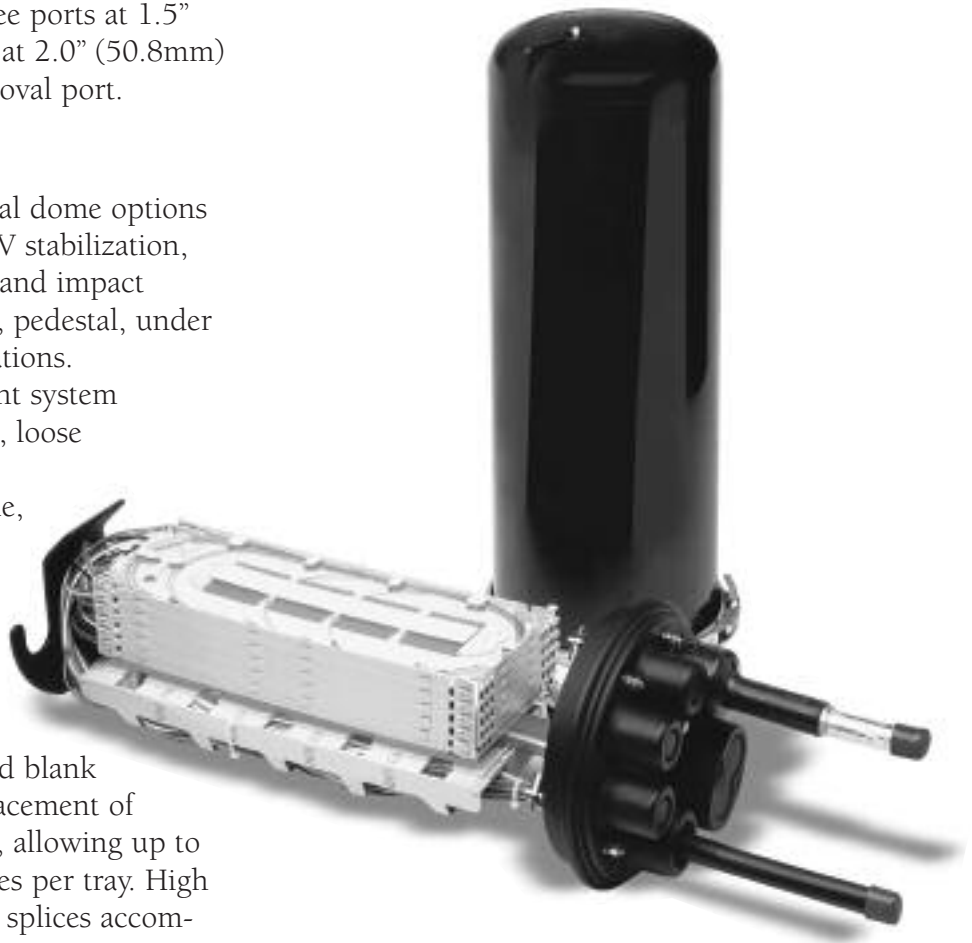
FiberMark1 Accommodates Up To Seven Fiber Optic Cables

Utilizing time-tested heat shrink and/or serrated grommet technologies, FiberMark1 Splice Enclosure Series are designed in accordance with Telecordia GR-771-CORE testing requirements. The FiberMark1, currently the largest Channell fiber enclosure, can accommodate the termination of seven cables through its single oval and five round ports: three ports at 1.5" (38.1mm) diameter, two ports at 2.0" (50.8mm) diameter, and one figure eight oval port.

Features

- Three thermoplastic material dome options provide varying levels of UV stabilization, flame retardancy, chemical and impact resistance - ideal for aerial, pedestal, under ground, and buried applications.
- Channell's fiber management system accommodates central core, loose buffer tube, ribbon cable, dielectric and shielded cable, fire retardant cable, and optical ground wire (OPGW) for single fusion, single mechanical, mass fusion or mass mechanical splicing.
- Six generously proportioned blank trays enable customized placement of splice blocks and raceways, allowing up to 48 single stack fusion splices per tray. High density mass fusion ribbon splices accommodated.

- Four flexible modular splice blocks per tray accommodate fusion, mechanical, single and mass fiber splice protectors providing a range of splice capacity arrangements, including: 288 single stack fusion, 576 double stack fusion and 1728 ribbon mass fusion splices when fully loaded.
- Heatshrink and/or serrated grommet cable sealing systems provide an air/water tight seal (10 psi) and superior cable pull-out strength. Serrated grommets accept cables with outside diameters ranging from 0.40" (10.16mm) to 1.25" (31.75mm).
- Re-enterable/reusable shell, no re-entry kits or tools required.
- With the use of shielded cables, individual ground inserts provide the option of independently isolating or bussing grounds, and accessing them externally.



Specifications

FiberMark1 Series

Dimensions:

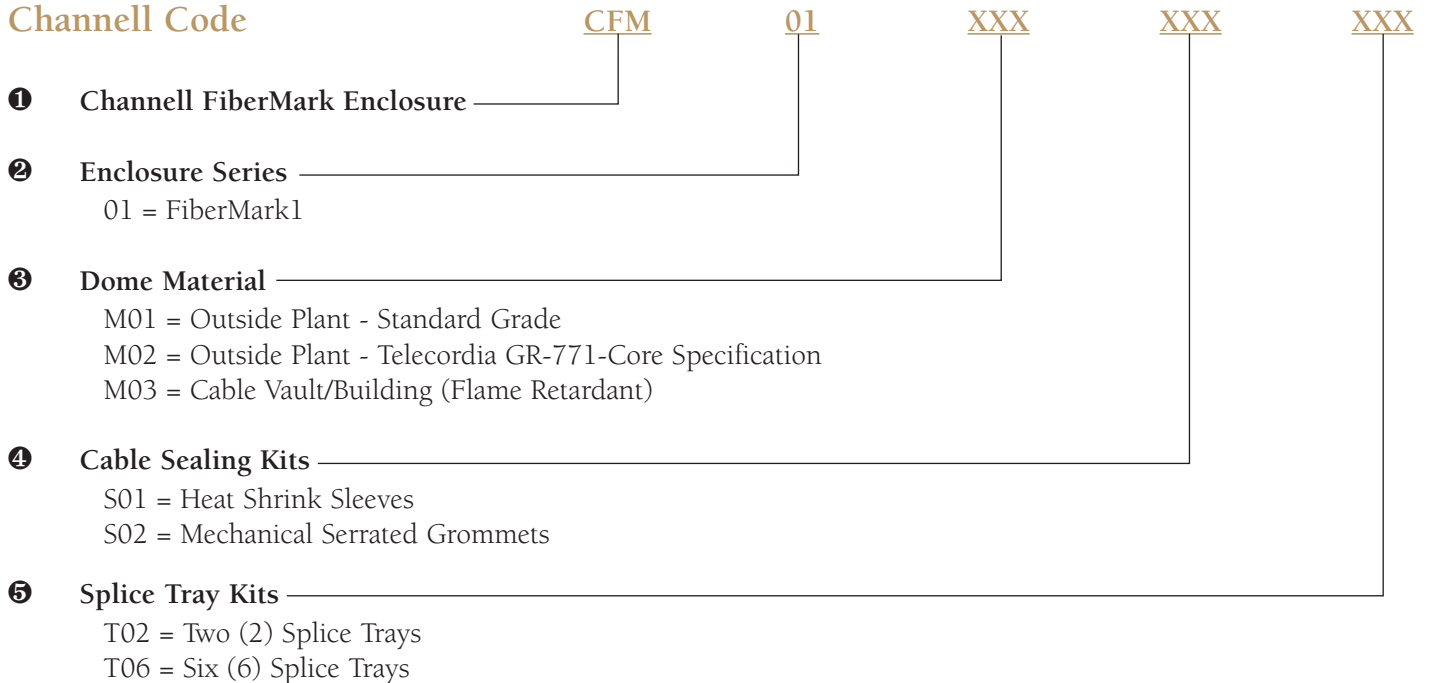
Overall Enclosure Length:	28" (711mm)
Dome Length:	24" (609mm)
Enclosure Diameter:	9" (228mm)
Splice Tray Length:	17" (432mm)
Splice Tray Width:	6" (152mm)

Ordering Information

To Order The FiberMark Enclosure:

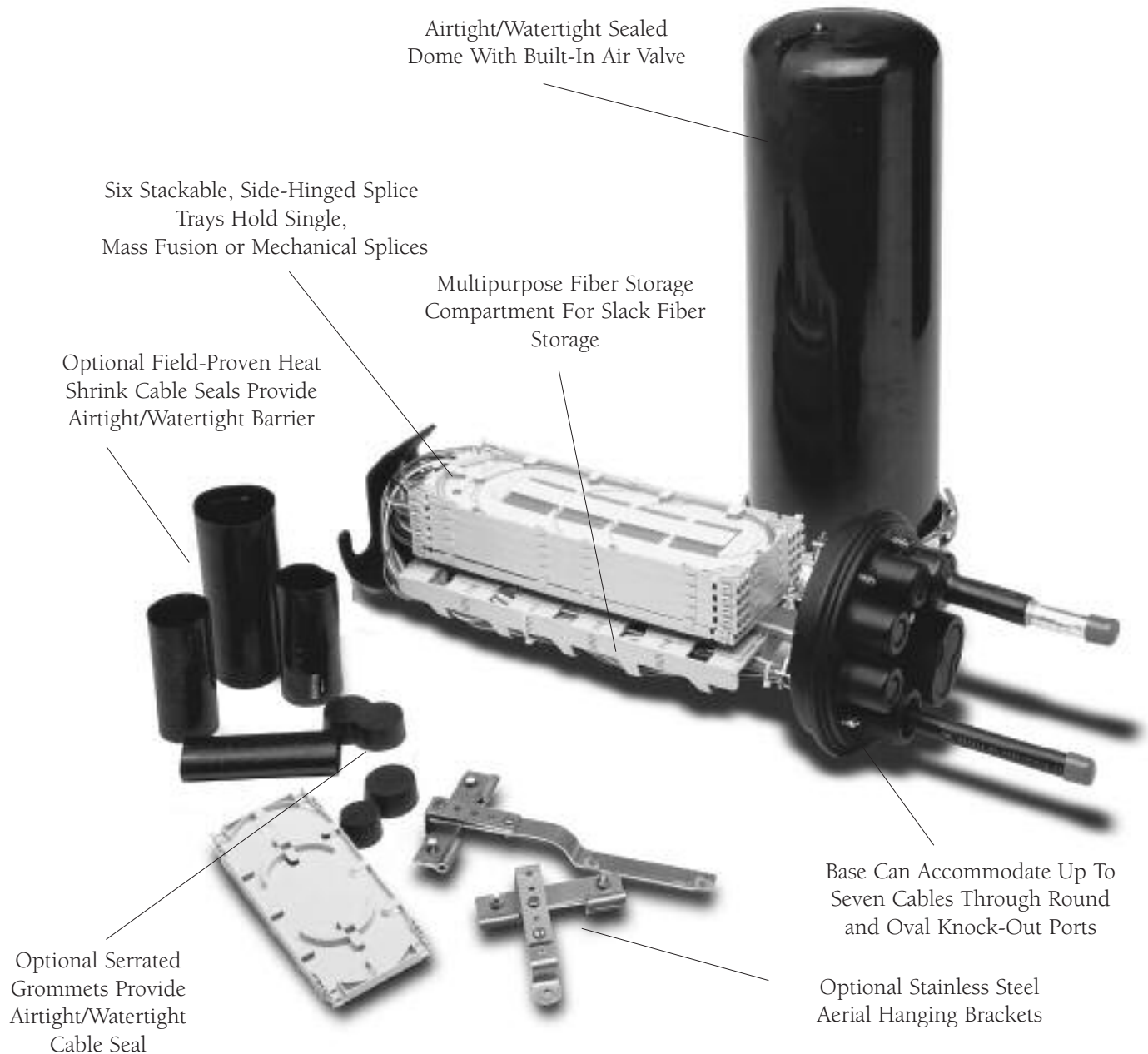
- | | |
|--------------------------------------|----------------------------|
| ❶ Specify FiberMark Enclosure System | ❷ Select Cable Sealing Kit |
| ❸ Select Enclosure Series | ❹ Select Splice Tray Kit |
| ❺ Select Dome Material | |

Channell Code



Example: CFM01-M02-S01-T02
Channell FiberMark1 Enclosure; OSP/TEL.SPEC; Heat Shrink Cable Sealing;
Two (2) Splice Trays

FiberMark I Large Capacity Fiber Optic Splice Enclosure



Design Specifications And Technical Requirements

The FiberMark Series of Fiber Optic Splice Enclosures are designed in accordance with several technical requirements including, but not limited to, the following:

- A minimum bend radius of 1.2 inches (30.0mm) when installing and storing slack fiber and fiber splices.
- A minimum bend radius of 1.5 inches (38.0mm) when installing and storing express buffer tubes.
- Slack and splice storage capacity capability in excess of 118 inches (3m).
- Optical measurement performance well below permitted attenuation change of ± 0.05 dB on each fiber with 10% of fibers not measuring change greater than ± 0.1 dB.
- No visible mechanical damage after being subjected to mechanical impact at temperatures of $-18^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($0^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$) and $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($104^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$).
- Hermetically sealed, no evidence of water intrusion after exposure to waterhead submersion, wind-driven rain, or water spray.

FiberMark1 Splice Enclosure System

Enhanced Design

The FiberMark1 provides superior performance and reliability in aerial, buried, and underground applications. Examples include CO, vault, headend, splice box, node, cable termination point, terminal and branch splice applications. A choice of strand, rack, handhole, pedestal or pole mounting hardware is also available.

Large Capacity Multipurpose Splice Trays

Six stackable, side-hinged splice trays provide easy access and versatile storage of single fusion, mass fusion or mechanical splices. Blank trays allow customized placement of modular splice blocks and fiber raceways. Store slack fiber directly in the spacious trays or in the multipurpose fiber storage compartment.

Choice Of Sealing Technologies

FiberMark Splice Enclosure Series provide consistently dependable cable seals using either of the field-proven heatshrink or serrated grommet sealing technologies. When using serrated grommet cable sealing, the three smaller ports are designed to accommodate cable O.D.'s ranging from 0.4" to 0.9" (10.2mm to 22.9mm). The two larger ports accommodate 0.5" to 1.2" (12.7mm to 30.5mm) cable O.D.'s, while the oval port will accommodate two cables with O.D.'s ranging from 0.5" to 1.2" (12.7mm to 30.5mm).



Enclosure Kit - Loose Tube Storage Compartment and Bare Fiber Tray are standard or can be ordered as separate accessories. Channell P/N LTA03070723 and FTA03070698 respectively.

An optional built-in air valve allows flash testing to ensure an airtight and watertight seal. Also optional are seven independent grounding studs to facilitate cable shield isolation.



Splice Tray Kits - Ordered as an enclosure option (T02 - Two Trays; T06 - Six Trays) or as a separate accessory. Channell P/N CAS03070697



Heatshrink Kit - Ordered as an enclosure option (S01) or as a separate accessory. Channell P/N HS03076991



Grommet Kit - Ordered as an enclosure option (S02) or as a separate accessory. Channell P/N GRS03070696



Adjustable Aerial Hanging Brackets - Ordered as a separate accessory. Channell P/N BRA06070734

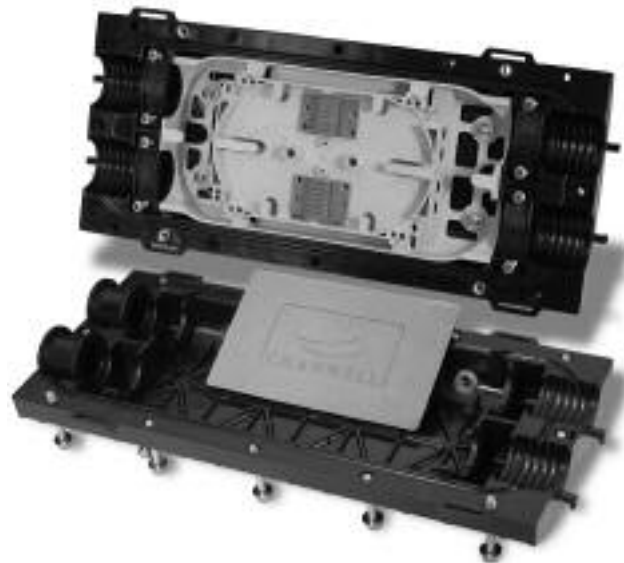
In-line Splice Case Enclosures

In-line Splice Cases – Compact Tray

Channell's In-line Closures provide a fast and economical means of splicing fiber optic cables in aerial applications. They are available in two sizes: 12/36 for low fiber count applications; and 12/60 for mid-sized fiber count applications. The slimline design of the closures permits them to perform in most space-restricted locations. No special tools are required for high integrity sealing of the closures.

Features & Benefits

- Fast, reliable and economical splicing of aerial fiber optic cables
- Available in two sizes: 12/36 fibers or 12/60 fibers
- Improved sealing system
- Can be configured for re-entry

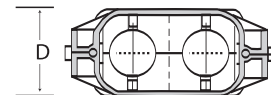


41/42 Series In-line Fiber Splice Cases

Specifications & Dimensions

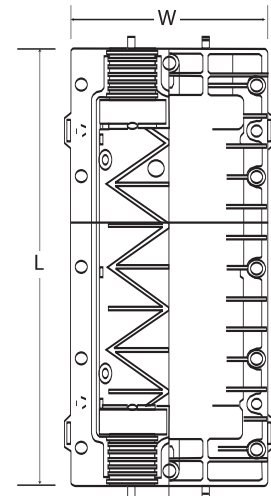
Fiber Optic Splicing Capacity and Cable Size

Closure	Max. Capacity	Min. Cable Size	Max. Cable Size
41	24 Fibers	0.39" (10 mm)	1.26" (32mm)
42	60 Fibers	0.16" (4 mm)	1.02" (26 mm)



Dimensions

Closure	Length (L)	Width (W)	Depth (D)
41	13.78" (350 mm)	6.10" (155 mm)	2.75" (70 mm)
42	17.72" (450 mm)	8.07" (85 mm)	3.35" (85 mm)



Ordering Information

Part Number	Description
41 Series	
140033	41 Series case with one 12-fiber splice tray for 12-fiber splice
140034	41 Series case with two 12-fiber splice trays for 24-fiber splice
42 Series	
150033	42 Series case with two 12-fiber splice trays for 24-fiber splice
150034	42 Series case with three 12-fiber splice trays for 36-fiber splice
150035	42 Series case with four 12-fiber splice trays for 48-fiber splice
150036	42 Series case with five 12-fiber splice trays for 60-fiber splice

Accessories

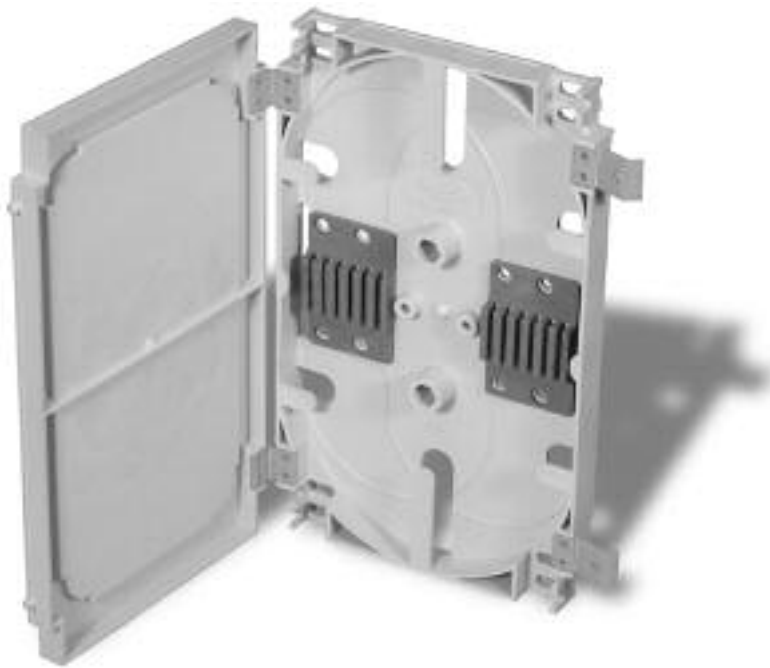
Part Number	Description
180107	41 Series Fiber Optic Re-entry kit
180108	41 Series Mounting kit
180109	41 Series Thimble kit, Fiber
180110	41 Series Washer kit, Fiber
180103	42 Series Fiber Optic Re-entry kit
180111	42 Series Fiber Optic Mounting kit
180113	42 Series Fiber Optic Thimble kit
190319	Ground continuity kit 40, 41, 42
190326	Grounding point 40, 41, 42
290026	Pressure valve assembly 40, 41, 42

Splice Trays

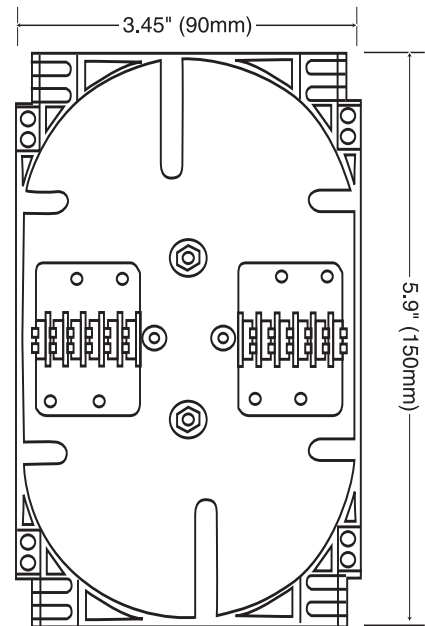
Optical Fiber Splice Cassette— Compact-Size Splice Trays

Channell's 12-fiber compact trays are designed for simple, cost effective low and mid-sized fiber splicing applications. Modular in design, these trays can be snapped together as cassettes to create neatly organized splice configurations of up to 96 fibers. Fiber cables can be slotted core, tubed, or tight buffered

types. When necessary to split fibers from the same tube onto a different tray, fibers can be routed from one side of the tray to the other side. Each tray is supplied with splice holders that secure and protect both fusion and mechanical splices. The tray can be equipped with a standard transparent protective cover, or a fully hinged solid plate for protection of the stored fibers and splices.



Compact 12-Fiber Splice Tray with Hinged Cover



Compact 12-Fiber Splice Tray

Features & Benefits

- Compact size
- Designed with hinges and latches
- Can accommodate various fiber splice types
- Meets UL 94 V0 rating
- Will accept optical splitters and photonic devices
- Protective cover available

Specifications & Dimensions

5.9"(150mm) L x 3.54"(90mm) W x 0.39"(10mm) D
Capacity: 12 Fiber Splices

Ordering Information

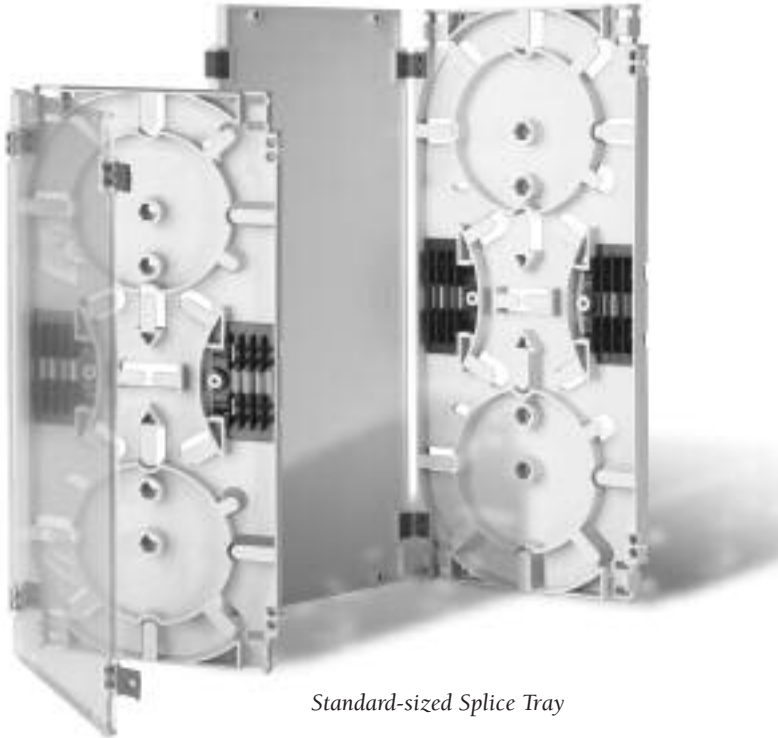
Part Number	Description
180011	Tray Only
180220	Tray with Hinged Cover
180230	Tray with Hinged Clear Cover

Optical Fiber Splice Cassette - Standard-Sized Splice Tray

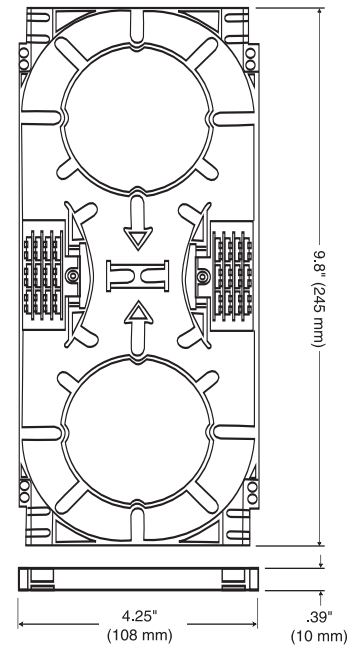
Channell's standard-sized fiber trays are designed to provide excellent cable management, storage and protection for splicing applications. Modular in design, these highly engineered thermoplastic trays can be snapped together as cassettes to create neatly organized splice configurations of up to 96 fibers. Each tray is hinged permitting access to any tray without disrupting others.

Unique "figure-8" style storage permits better storage and access to fibers. Fiber entry/access points are provided in all four corners of the trays along with a protective cover

Each tray is supplied with splice holders that secure and protect both fusion and mechanical splices.



Standard-sized Splice Tray



Standard-sized Fiber Splice Tray

Features & Benefits

- Standard sized tray
- Designed with hinges and latches
- Can accommodate various fiber splice types
- Will accept optical splitters and photonic devices
- Protective cover available
- Slack storage provisions

Specifications & Dimensions

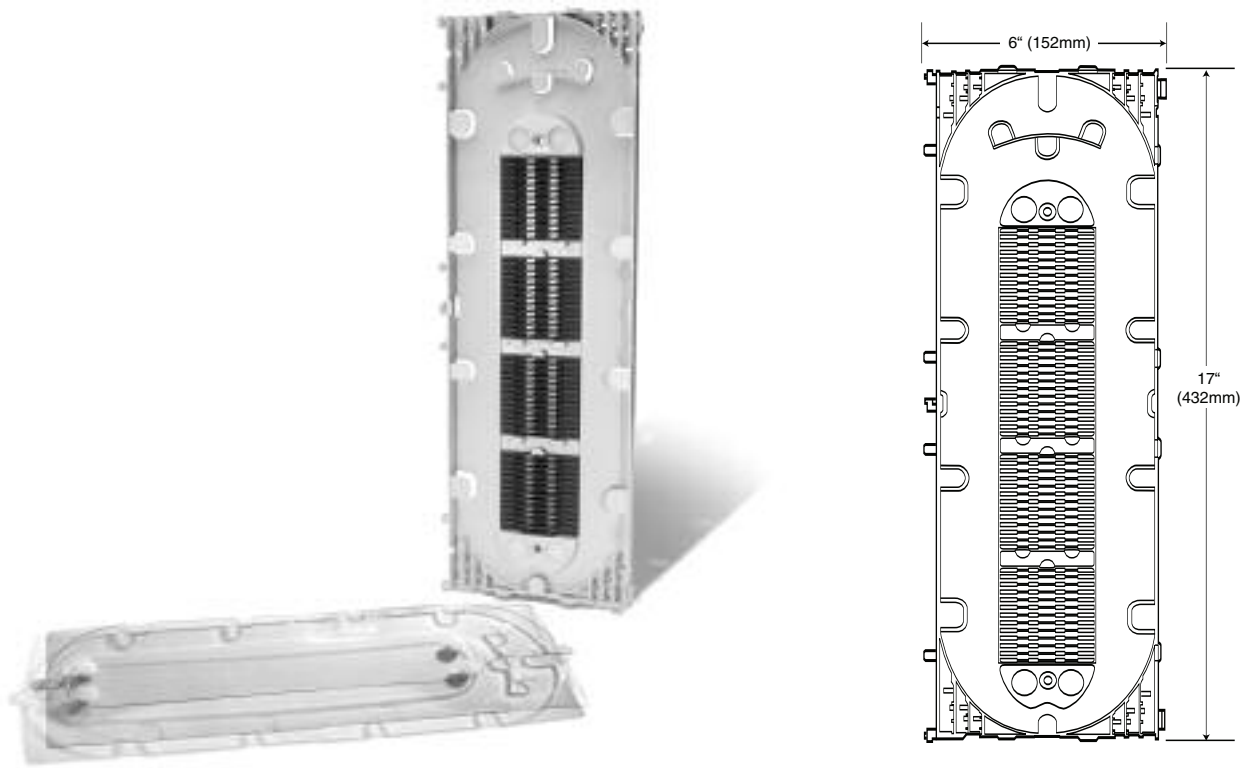
9.8"(245mm) L x 4.25"(108mm) W x 0.39"(10mm) D
Capacity: Up to 24 Fiber Splices

Ordering Information

Part Number	Description
OFK5020	16 FST Tray Only (8 single layer splices or 16 stacked splice capacity)
OFK5021	16 FST Tray with Hinged Cover (8 single layer splices or 16 stacked splice capacity)
OFK5050	24 FST Tray with Hinged Cover (12 single layer splices or 24 stacked splice capacity)
OFK5060	24 FST Tray with Hinged Cover Clear (12 single layer splices or 24 stacked splice capacity)

Optical Fiber Splice Cassette - Large-Sized Splice Tray

Channell's large capacity, multi-purpose splice trays provide easy access and versatile storage for single fusion, mass fusion or mechanical splices. The side-hinged, stackable trays allow customized placement of modular splice blocks and fiber raceways. Slack fiber can be stored directly in the spacious trays.



Features & Benefits

- Full sized tray and fiber management
- Designed with hinges and latches
- Can accommodate various fiber splice types
- Will accept optical splitters and photonic devices
- Protective cover provided
- Slack storage provisions

Specifications & Dimensions

17" (432mm) L x 6" (152mm) W x 9" (228mm) D
Capacity: 48 Single Fusion Splices, or High Density Mass Fusion Splices

Ordering Information

Part Number	Description
CAS03070697	Tray Only

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