



Fiber Optic Splice Case 2178-XSB

As more fiber is deployed in the distribution network, more severe and compact environments are encountered. The compact 3M™ Fiber Optic Splice Closure 2178-XSB features a rugged closure tested under harsh, real-world conditions to stand up to even the most severe conditions of moisture, vibration, and extreme temperatures.

The closure is the smallest member of 3M's successful 2178-series of fiber optic splice closures. The design concept, appearance, and method of installation are almost identical to the other members of the 2178-series family, so no special tools or complicated training procedures are required for installation. The closure is easily re-enterable to allow access to splices and the addition of drops or small diameter cables. It can be installed in any OSP environment: buried & underground (pedestal, handhole, and manhole) aerial (strand & pole mount) & wall mount applications.

The compact size of the 2178-XSB closure (14.56" x 10.1" x 4.62") makes it ideal for pedestal and handhole splicing, particularly for FTTP applications. Specifically designed for butt splicing applications only, the closure has three cable entry ports (two 1.0" ports and one 1.4" port). The multipoint grommet feature provides for simple,



3M™ Fiber Optic Splice Closure 2178-XSB

flexible and future-proof drop or small diameter branch cable additions.

The 2178-XSB closure offers a flexible fiber management system for splicing and storage with both stackable and hinged trays that accommodate various types of splices (single or mass fusion and mechanical). The maximum single fusion and mass fusion splice capacity for the 2178-XSB is 72 fusion and 144 ribbon fibers, respectively (see tray table on pg. 2).

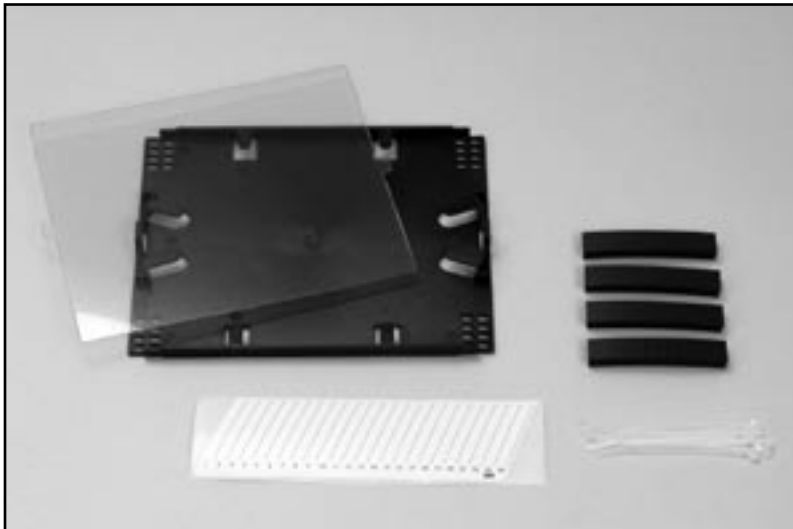
Anyone using fiber optic splice closures in the long haul, metro, local access (DSL, HFC, mobile wireless backhaul) and FTTP feeder and distribution networks will appreciate the simple and reliable design of the 2178-XSB splice closure. With the 2178 family of fiber optic splice closures, 3M is the complete fiber protection solution for all of your splicing needs.

FEATURES AND BENEFITS

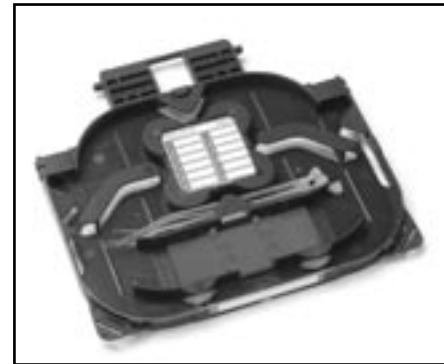
3M™ Fiber Optic Splice Case 2178-XSB

Constructed of a highly chemical-resistant material	Can be deployed in: buried, underground and aerial environments
Gasket seal	Easy reentry and reusable seal
Unique strength member clamp assembly	Prevents cable sheath movement with temperature changes
Compact size	Easily fits into most pedestals and handholes
Spacious fiber management area	Bottom half of the closure provides separate area for routing, protecting, and "expressing" buffer tubes and ribbon fibers
Flexible drop or cable addition	Multiport grommet provides entry for up to 6 drops or small diameter cables
No special tools required	Easy installation and re-entry
Pressurization valve	Provides ability to flash test
Available in flame retardant material	Can be deployed in vault and building applications

MODEL #	DESCRIPTION	SPLICES ACCOMMODATED	SPLICE CAPACITY PER TRAY	MAXIMUM # OF TRAYS PER CLOSURE	MAXIMUM CLOSURE SPLICE CAPACITY
2532	Stackable, fiber entry/exit both ends of tray	Single fusion (45 or 60mm)	24	2	48
		Single mechanical (3M™ Fibrlok™ Splice)	12		24
		Mass fusion	72		144
2540-12-DF/36-MF	Hinged	Single fusion (45 or 60mm)	12	4	48
		Single mechanical (Fibrlok splice)	6		24
		Mass fusion	36		144
2539-12-DF	Hinged	Single fusion (45 or 60mm)	12	6	72



3M™ Stackable Fiber Tray 2532



3M™ Hinged Fiber Tray 2540-12-DF/36-MF



3M™ Hinged Fiber Tray 2539-12-DF

3M™ FIBER OPTIC SPLICE CASE 2178-XSB ORDERING INFORMATION

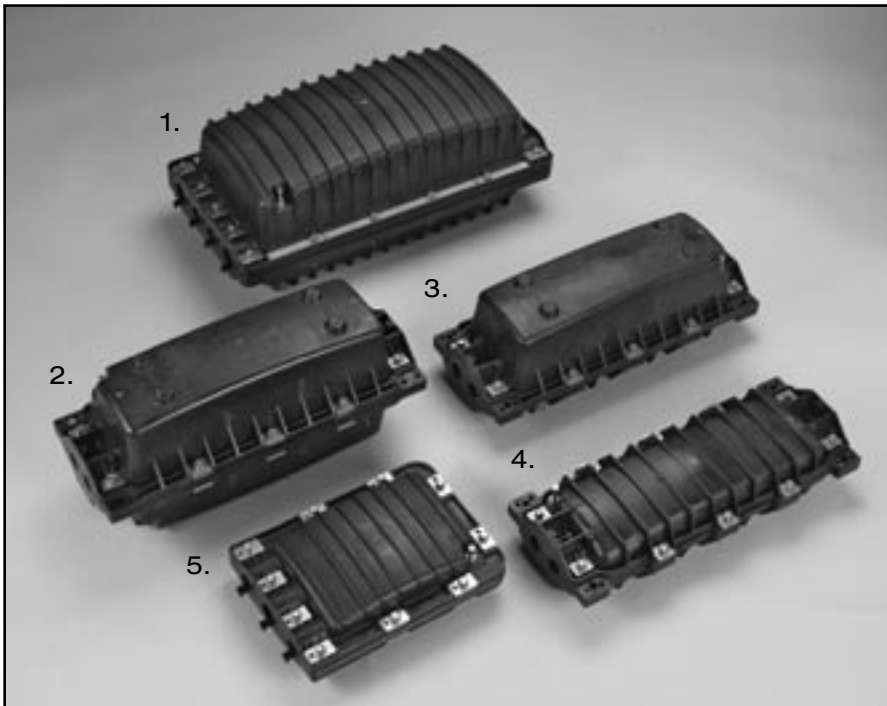
PRODUCT NUMBER	DESCRIPTION	3M Stock Number
Closures		
2178-XSB/FR-OG-OT	Flame retardant fiber optic splice closure, w/no external ground, no tray	80611304819
2178-XSB-OG-OT	Fiber optic splice closure with no external ground, no tray	80611304793
2178-XSB-EG-OT	Fiber optic splice closure with external ground, no tray	80611314057
2178-XSB-EG-1T	Fiber optic splice closure with external ground, one 2532 tray	80611314289
2178-XSB-EG-1T-6PGA	Fiber optic splice closure with external ground, one 2532 tray, one 6-port cable entry grommet	80611314271
Accessories		
2532	Fiber optic splice organizer tray for 2178 XSB, stackable, accommodates 24 single and 72 mass fusion splices	80611304801
2178-6PGA	2178-XSB 6-port grommet for 1.4" entry for Corning SST-Drop Cable (RB4-141-01A20)	80611314586
2178-XSB-1.4B	2178 XSB 1.4" Cable Branch Port Kit	80611314602
4460-D/FO	3M™ Scotchlok™ Shield Bond Connector Assembly 4460-D/FO	80610844443
25T-BBE6	Bond braid w/eyelets 6" (1/2" X25')	80610096150
2198	Wall mount bracket kit	80610860779
2184	Adjustable aerial hanger bracket kit for 2178-S, LS and XSB	80611317696
2539-12-DF	Fiber optic splice organizer tray, hinged, accommodates 12 single fusion splices	80611317159
2540-12-DF/36-MF	Fiber optic splice organizer tray, hinged, accommodates 12 single 36 mass fusion splices	80611317167



3M™ 1.4" Cable Branch Port Kit 2178-XSB-1.4B



3M™ 1.4" Multiport Grommet 2178-6PGA



3M™ FIBER OPTIC CLOSURES 2178

1. 2178-XL
2. 2178-LL
3. 2178-LS
4. 2178-S
5. 2178-XSB

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