

## STI MARINE

# Marine Fire Rated Pathways - MDM150

Cable raceway device consisting of heavy gauge steel shell with self-adjusting intumescent liners to allow cables to pass through fire-rated bulkheads and decks on ships while providing a maintenance-free alternative to traditional cable transits in non-water-tight divisions.

## PRODUCT FEATURES:

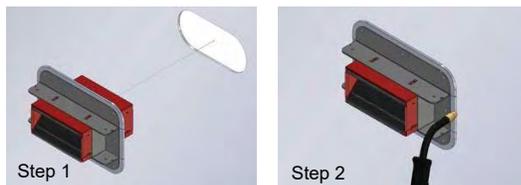
- Tested to IMO FTP Code 2010, Part 3 (Class A0-A60, B0-B30 Bulkheads and Decks)
- Most cost-effective solution for new cable installations
- Self-adjusting cable sealing liners allow for easy retrofit of cable moves, additions, and changes for existing installations
- Modular units can be installed together w/ available gang plates
- Rapid intumescent expansion under fire conditions quickly seals off the path for fire, gases, and smoke
- Allows 0 to 100% visual fill of cables
- Empty devices can be installed for future use
- Maximizes volume of cable that can be installed into a given space while reducing the overall footprint
- Protection of cable jacketing and insulation materials
- Galvanized steel shell with marine-grade powder coating used with single or gang plates
- Military-grade fabric sealing boot provides supplemental sealing to meet DNV requirements
- Flexible intumescent liners accommodate vibration
- Resistant to aging and weathering

## INSTALLATION INSTRUCTIONS:

*General Note: Read Safety Data Sheets (SDS) and product label for safe handling.*

**Step 1:** Cut a circular or square opening into deck or bulkhead.

**Step 2:** Insert device(s) through opening and secure the plate to deck or bulkhead by means of welds.



## MAINTENANCE:

This product is maintenance free. Observed damage can be repaired per the original approved design.

## ORDERING INFORMATION

WWM Item #	Description
STI-MDM150A	Marine 150 Single Solid Plate Kit w/ Device
STI-MDM150B	Marine 150 Four Gang Solid Plate Kit w/ 4 Devices



## PHYSICAL PROPERTIES:

Property (As Supplied)	Value
<b>Device</b>	
Shell Composition:	0.059 in. thick galvanized steel (1.5mm)
Flange Composition:	No. 50 KSI ABS-approved mild steel
Powder Coating:	Marine Grade
Physical Dimensions:	3 x 6 x 6 in. (75 x 150 x 150 mm)
Cable Loading Area:	12 sq. in. Max 1.75 in. diameter (77 cm <sup>2</sup> / 44 mm)
Expansion Begins:	320°F (160°C)
Expansion Volume:	800%
In-Service Temperature:	-10°F – 120°F (-23°C - 49 °C)
Storage Temperature:	< 120°F (49 °C)
Shelf-Life:	No Limit
<b>Sealing Boot</b>	
Property:	High temperature, flame retardant silicone rubber coated fabric.

## WARRANTY INFORMATION:

STI typically warrants its products for one full year. For complete details of our standard warranty, please visit [www.stimarine.com/warranty](http://www.stimarine.com/warranty).

## THIRD PARTY APPROVALS:



**EAST COAST**  
Branchburg, NJ  
Tel: 732.247.2300  
Fax: 732.247.7258

**GULF COAST**  
Houston, TX  
Tel: 713.682.2400  
Fax: 713.682.2624

**SOUTHEAST**  
Davie, FL  
Tel: 954.321.0784  
Fax: 954.321.2591

**WEST COAST**  
Paramount, CA  
Tel: 562.633.4141  
Fax: 562.633.3280