

## MDM400 Fire-Rated Cable Transit

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

### Product Features

- Tested to IMO FTP Code 2010, Annex 1, Part 3 (Class A-0 through A-60 and H-0 through H-120 Bulkheads and Decks)
- Most cost effective solution for new cable installations
- Flexible, self-sealing intumescent pads accommodate vibration and allow for easy addition and removal of cable
- Modular units can be installed together with available gang plates
- Device splits apart to allow for retrofit around existing cables.
- 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
- Resistant to aging and weathering

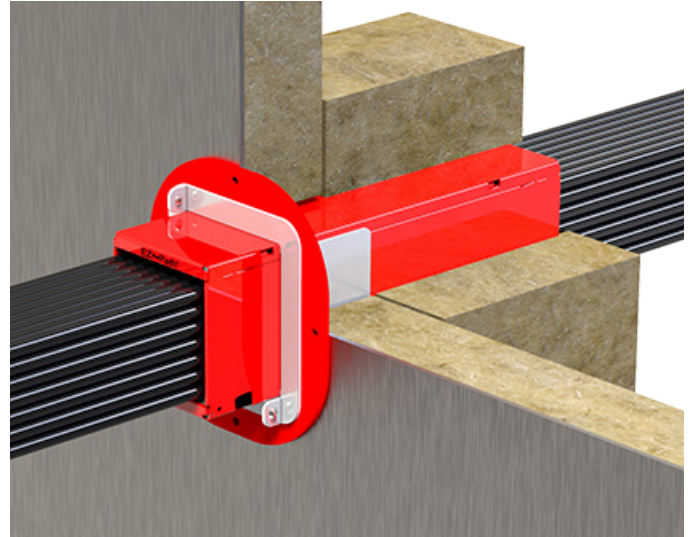
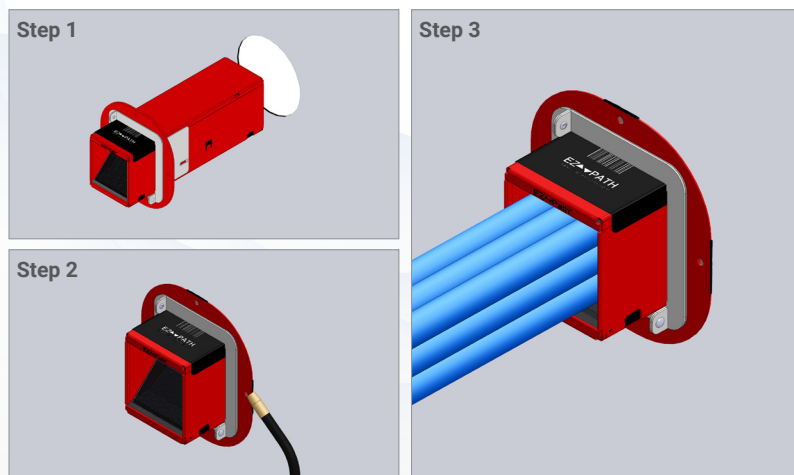
### Installation Instructions

General Notes: Read Safety Data Sheets (SDS) and product label for safe handling. For further information regarding installation requirements, please refer to Installation Sheet Nos. ZIS1080, ZIS1078 and the corresponding Type Approvals.

Step 1: Cut an opening in the bulkhead or deck.

Step 2: Insert device(s) through opening and secure the plate by means of symmetrically spaced stitch welds, stainless steel screws or stainless steel nuts and bolts.

Step 3: Install cables through transit.



### PHYSICAL PROPERTIES

Shell Composition	1.5 mm Thick (0.059 in.) Galvanized Steel
Flange Composition	Mild Steel
Powder Coating	Marine-Grade
Physical Dimensions	102 mm x 118 mm x 356 mm (4" x 4-5/8" x 14")
Cable Loading Area	82 cm <sup>2</sup> (12.7 sq. in.) Max. Ø79 mm (Ø3.1375 in.) Cable
Expansion Begins	160°C (320°F)
Expansion Volume	800%
In Service Temperature	-23°C (-10°F) to 49°C (120°F)
Storage Temperature	<49°C (120°F)
Shelf Life	No Limit
STC Rating (ASTM E90-09)	42 (*Relates to Specific Construction)

\*Continuous division achieved STC of 43

### Limitations

This product has been designed to be safe with plastics. It has been used extensively and successfully with various types of plastic pipes, tubes, and plastic cable insulations. Variations in these materials, however, make it impossible to guarantee compatibility. STI strongly recommends that the user consults with the pipe, tubing, or cable manufacturer in question regarding any known sensitivities or potential restrictions before applying this product.

### Maintenance

Maintenance free. Observed damage can be repaired per the original approved design.

# EZPath®

MARINE CABLE TRANSITS

## MDM400 Fire-Rated Cable Transit

### Third Party Approvals



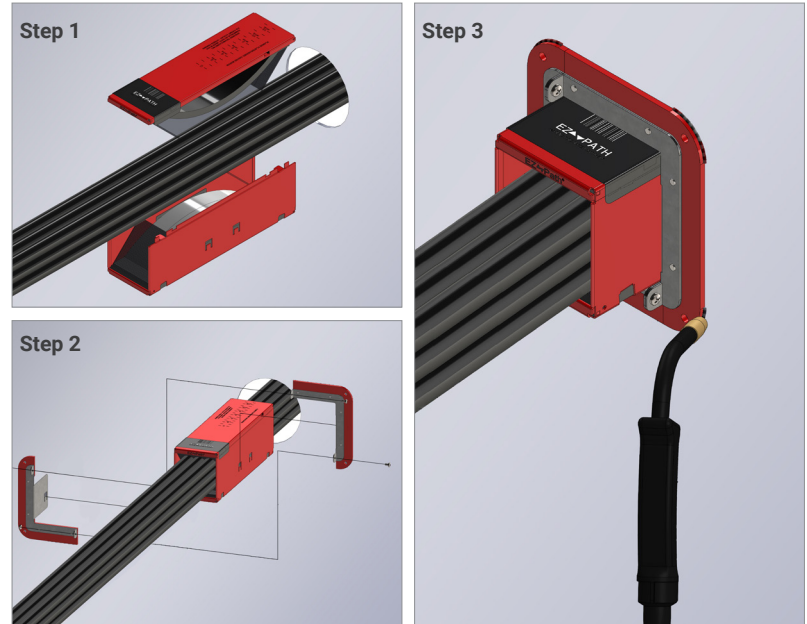
### Installation Instructions - Retrofit Installations

General Notes: Read Safety Data Sheets (SDS) and product label for safe handling. For further information regarding installation requirements, please refer to Installation Sheet No. ZIS1078 and the corresponding Type Approvals.

Step 1: Remove lid from device body to capture cable bundle. Re-install lid.

Step 2: Slide device through opening and secure with split plate kit. If installing multiple devices, connect devices together with integral hook and eye attachments on side of each unit.

Step 3: Secure the plate to deck or bulkhead by means of steel screws or welds.



### ORDERING INFORMATION

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
MDM400A	730573400890	Marine 400 Single Solid Plate Kit with One (1) Device	1	1	3.95 kg (8.70 lbs)
MDM400B	730573400463	Marine 400 Single Split Plate Kit with One (1) Device	1	1	3.91 kg (8.61 lbs)
MDM400C	730573400470	Marine 400 Two-Gang Solid Plate Kit with Two (2) Devices	1	1	6.81 kg (15.02 lbs)
MDM400D	730573400487	Marine 400 Two-Gang Split Plate Kit with Two (2) Devices	1	1	6.80 kg (15.00 lbs)
MDM400G	730573404454	Marine 400 Four-Gang Solid Plate Kit with Four (4) Devices	1	1	12.47 kg (27.49 lbs)
MDM400J	730573400456	Marine 400 Double Plate Kit with One (1) Device – For Panel Bulkhead	1	1	4.75 kg (10.48 lbs)
MDMBOOT	730573400913	Marine Fire-Rated Cable Transit Single Split Boot – For DNV Requirements	1	1	0.45 kg (1.00 lbs)