

Technical Data Sheet



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-	2024-09-26	1/3	FS-TP2402-10 Rev.1	Mikael Larsson

Easy Transit Cabel penetrations

Product description

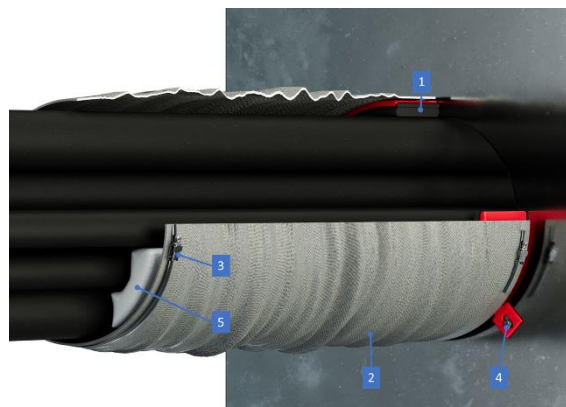
Easy Transit (ET) is a fire rated cable transit approved for marine installations on commercial and navy vessels, as well as oil, gas and wind offshore. Installations can be made in both bulkhead and deck where requirements of A0-A60 exist.

Material

Easy Transit consists of a number of components. An openable steel collar with a vibration resistant locking mechanism. The collar is filled with an intumescent graphite compound in two layers. A fire and heat resistant wrap is placed around the collar, which is fixed both around the collar and the cables with two adjustable quick release cable clamps. Any voids between cables and wrap are filled with Marine Blanket, which is a ceramic wool. Fixation to the deck and bulkhead is done with self-drilling/threading screws. Welding is also possible together with FireSeal welding lugs.

Preparations

Before installing the Easy Transit, holes should be made in the bulkhead or deck. This can be done with a hole saw, plasma cutter or other equipment. The edges of the hole should not be sharp. For hole sizes see Technical Properties. Cables can be pulled before or after Easy Transit is installed.



Technical Properties

Graphite Collar (1)

Material collar.....Galvanized Steel
Material graphite..... Intumescent graphite

Activation temperature.....120-150°C

Color..... Red

Max. hole size ET80*..... Ø 90mm

Max. hole size ET160*..... Ø 185mm

Wrap (2)

Installation length over cable.....100-300mm

Working time.....Up to 1000°C

Cable tie (3)

Socket size..... Hex 7mm/Ph2

Material..... Stainless steel

Max. tightening torque..... 5Nm

Size for ET80..... 450x9mm

Size for ET160.....750x9mm

Screw (4)

Dimension..... 5,5x35mm

Socket size..... Hex 8mm

Number of screws installed..... 4pcs

Max. screw speed..... 1500r/min

Max. drilling capacity..... 12mm

Max. tightening torque 12Nm

Marine Blanket (5)

Colour..... White

Density..... 96kg/m³

Classification temperature..... 1050°C

* Maximum aperture is based on the fire properties. A smaller aperture is possible, but consider no direct contact towards sharp metal edges. FireSeal recommended aperture size is, ET80 - 85-90mm, ET160 - 175-185mm

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Installation

Installation area above waterline for A0-A60 applications
See the latest installation drawing documents on fireseal.com

Test and certificates

Vibration tested according to IACS E10 type approval standard and IEC 60068-2-6:2007.

A-Class test according to IMO 2010 FTP Code.

MED-B/D and type approved.

Storage and Shelf Life

Unlimited in dry storage.

Packaging

Color..... White

Weight ET80..... 0,6kg

Weight ET160..... 1,5kg

Box size for ET80...L160xW130xH75mm

Box size for ET160. L210xW210xH90mm

Box material..... Corrugated cardboard

Wrap

The protrusion of the wrap can be 100 – 300mm

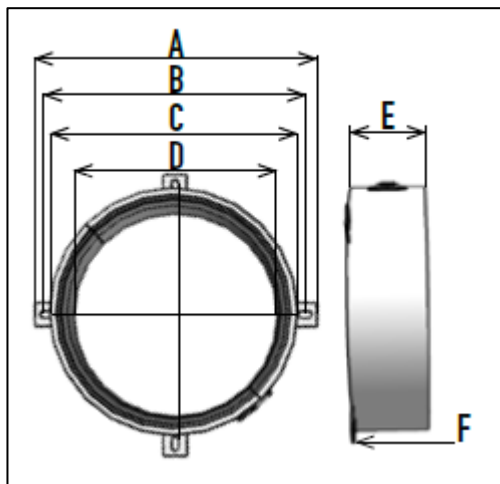


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Graphite Collar



Product	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Intumescent material (mm)
EasyTransit-80	147	123	99	82	52	1	6
EasyTransit-160	233	209	200	160	62	1	18

Note:

Easy Transit is tested and approved as a fire penetration seal and shall not act as cable support. All cables routed through the Easy Transit must be fixed so that abrasion does not occur on the cable or on the Easy Transit unit. The weight of the cables must be supported on both sides of the Easy Transit.

Recommendation for use of our products are based on tests and information we believe to be reliable. Manufacturer or seller are not responsible for results where the products are used under conditions beyond our control. Specification are subject to change without notice.