

## Firebreak Service Transits

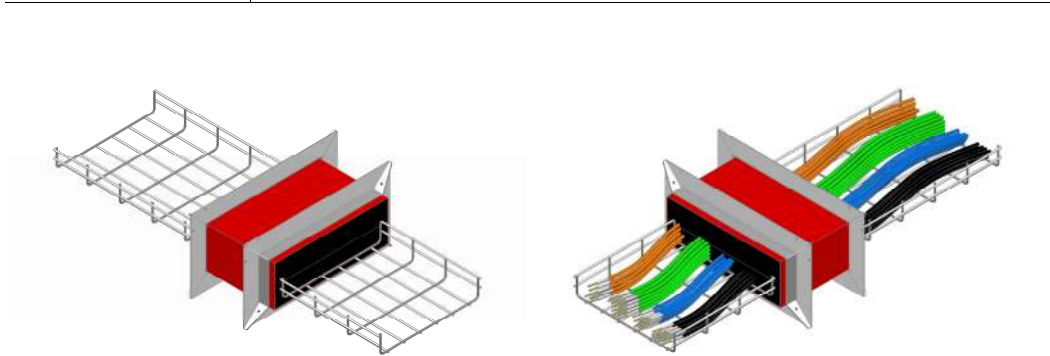
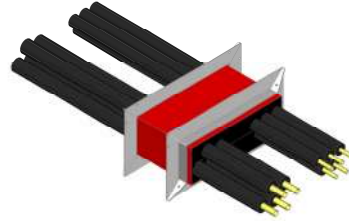
### DESCRIPTION

Firebreak Service Transits are firestop devices designed to allow cables and other services to penetrate fire-rated floors and walls. They consist of a square, round and rectangular section steel sleeve, which contains a heat reactive intumescent material.

Firebreak Service Transits can be opened to provide an easy retro-fit option where cable trays or cables are preinstalled, and are designed to allow for the installation or removal of additional cables. Once installed they require no further maintenance.

When exposed to high temperatures the intumescent material begins to expand rapidly to form a solid insulating char plug which effectively closes and seals the Firebreak Service Transit to prevent the passage of fire and smoke thru the fire-rated wall or floor.

Each Firebreak Service Transit is supplied with two end foam plugs which are inserted after cables have been installed to reduce hot and cold smoke leakage. The unique mounting flange

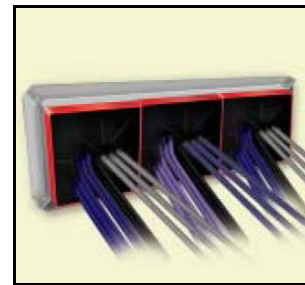
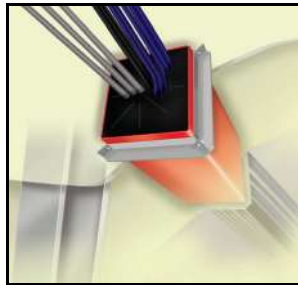


Since the product is applied under circumstances beyond our control, Neutron Fire Technologies Ltd can accept no direct or consequential liability whether in contract or in tort, for the interpretations of such recommendations and reserves the right to modify the recommendations as necessary.

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## Firebreak Service Transits



### APPLICATIONS

Firebreak Service Transit devices are designed and rigorously tested to prevent the spread of fire and smoke from one compartment to another where these are breached by electrical, data and telecommunications cables and cable baskets. These fully retrofittable devices do not require the use of putties, sealants or coatings and can accommodate few or many cables – even up to full size cable ladders.

Firebreak Service Transits are suitable for most common types of construction including concrete walls and floors, concrete block walls and gypsum drywall assemblies.

### CHARACTERISTICS AND FEATURES

Features of **Firebreak Service Transits** include:

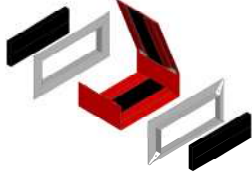


- Available in a range of sizes and shapes (square, round and rectangular) to suit whole cable trays, including two 600mm wide trays side by side.
- Fire tested for a wide range of cables and other services. Tested empty or completely full.
- Able to be fitted around already installed services.
- Independently tested in accordance with EN1366-3:2009. Some types tested to ASTM814 (UL1479), and AS1530-4.
- Very easy to install and provides future firestopping needs.
- Unaffected by moisture.
- Manufactured to ISO9001:2008.
- CE Marked.

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## Firebreak Service Transits

<b>PHYSICAL PROPERTIES</b>	<b>Nominal Length</b>	250mm	350mm	450mm	550mm	1100mm	
	<b>Height</b>	125mm					
	<b>Depth</b>	254mm					
	<b>Finish</b>	Red Powder Coating					
	<p><i>N.B.</i> Bespoke sizes are available between 250 mm and 1100 mm</p>						
<b>PHYSICAL PROPERTIES</b>	<b>Dimensions</b>	50mm diameter x 254mm length					
		100mm diameter x 254mm length					
		65mm x 65mm x 254mm length					
	102mm x 102mm x 254mm length						
<p>Mounting flanges are sold separately</p>							
<b>TESTING / CERTIFICATION</b>	<p>Used worldwide in hundreds of complex environments, Firebreak Service Transit devices are tested and approved by independent third party laboratories such as Underwriters Laboratories, UL.</p> <p>Independently tested in accordance with: EN1366-3, BS476-20, ASTM814 (UL1479), AS1530-4</p>						

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## Firebreak Service Transits

**DIRECTIONS FOR USE**

- 1) Select the correct size of Firebreak Service Transit to suit the existing opening. If necessary enlarge the opening to allow for installation ensuring that any annular space between the Transit and the opening is in-filled with Firebreak Compound.
- 2) If retrofitting around existing cables or cable trays, open the Firebreak Service Transit, remove the supplied end plugs and fit around the existing cables if present.
- 3) Slide the Firebreak Service Transit into the previously formed opening, making sure that it is positioned centrally within the thickness of the floor or wall ensuring that an equal length protrudes either side.
- 4) The Firebreak Service Transit is held in place using Mounting Flanges which are friction fitted. Open flanges and fit over each end of the Firebreak Service Transit (*i.e.* one flange on each side of wall). Slide each flange until it is pressed against the surface of the wall or floor. Fit the supplied nut and bolt through the pre-formed holes in the open corner of each flange and tighten securely in position. Ensure the mounting flanges are correctly fitted on both sides of walls and floors. Once secured in position by the bolts supplied, the mounting flanges do not need to be separately fixed to the wall or floor.
- 5) Fit the foam end plugs into both ends of Firebreak Service Transit, cutting the plugs as necessary to make a snug fit around the penetrating services.

**LIMITATIONS**

It is the user's responsibility to determine suitability of use.

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