



RISE[®] Duct Seal

Multi-Cable and Pipe Transit Sealing System



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**SAFETY.
RELIABILITY.
INGENUITY.**

INTRODUCTION

The RISE Multi-Cable and Pipe Transit Sealing System provides an effective and simple solution to all fire, gas and watertight duct sealing requirements. It consists of only 2 components: rubber insert sleeves and FIWA (or NOFIRNO) sealant; a silicone based, fire-resistant, water-repellent sealant. This makes the system quick and easy to install.

BENEFITS

- Cost effective
- Up to 4 hours fire protection
- High levels of gas and watertightness
- Ensures DSEAR compliance
- WIMES compliant
- Ease of re-entry for adding cables
- Resistant to submersion in petrol, diesel and transformer oils
- Few components
- No frame required
- Suitable for trefoil cables
- Quick and easy to install
- Resistant to methane, hydrogen sulphide and chlorine
- Complies with ATEX regulations
- Age tested to 50 years



TECHNICAL DATA

Water and Gas-Tight

The elasticity and high bonding strength of the FIWA or NOFIRNO sealant offers a flexible seal, which resists movement, shock and vibration, as well as high pressure. The RISE rubber insert sleeves are applied to ensure long-term cable separation and a backing for the application of the sealant. For water and gas-tight applications our standard 60mm RISE sleeve is sufficient.

Fire, Water and Gas-Tight

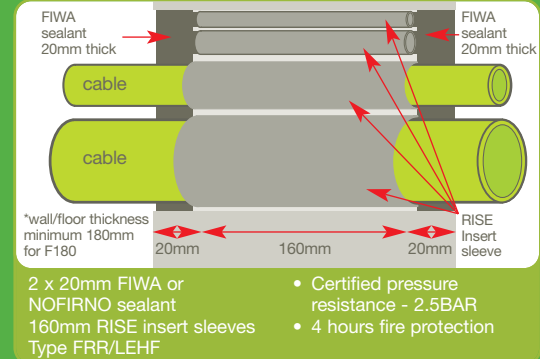
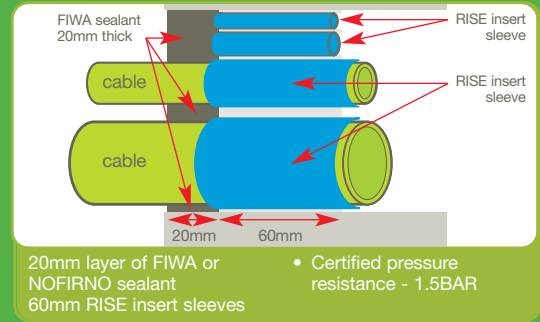
Using the type FRR/LEHF RISE insert sleeves at a length of 160mm and applying sealant to both faces of the opening provides a fire-tight seal. When exposed to heat or flame, the system expands around 10 times its original volume, creating a rubber mass surrounding the cables within the penetration. This assures total conduit sealing protection against fire, heat, toxic and corrosive gases.

Flexible and Versatile

The RISE system can be used in vertical as well as horizontal ducts. The insert sleeves cling to the cables without sliding down and falling out of the penetration. The high adhesion and viscosity of the sealant means it will not run or drip when applied overhead.

Adding/Removing cables

Installing additional cables is very straightforward. It is a simple matter of coring into the soft rubber layer of the sealant to a depth of 20mm and passing the additional cables through the opening created. The sealant is then applied around the new cable to re-seal. No need to disassemble the whole transit.



INSTALLATION INSTRUCTIONS



1. Thoroughly clean the inside of the duct and cables, use an appropriate degreaser to remove the dirt, dust or oil to allow the sealant to bond. Apply a RISE insert sleeve of the relevant diameter around each cable.



4. Using a damp cloth, press the sealant down and between the cables. Ensure a sufficient amount of sealant is applied and it makes good contact with all surfaces.



2. Fill the remaining free space with spare RISE insert sleeves, usually of sizes 27/19 and 18/12. Pack sleeves tightly then adjust to allow a 20mm gap from the front of the transit.



5. Using your hand (nitrile gloves are recommended), make sure enough sealant is between the cables and has been applied to the required depth and then smooth to finish. Wet the hands to prevent the sealant sticking.



3. Apply a 20mm layer of sealant to the face of the transit. Begin in the most difficult area and work outwards. A slight overfill is recommended.



6. Take a final check with a torch to ensure sufficient sealant has been applied between the cables. Sealant layer cures on average at a rate of 2mm per day.

TOOLS REQUIRED: (INSTALLATION KITS AVAILABLE)

- High ratio sealant gun
- Tape measure
- Disposable nitrile gloves
- Cloths
- Long nose pliers
- Water spray
- Wooden depth gauge
- Wire brush
- Degreasing agent

