

**Sealing system should consist of the following characteristic or properties:**

- 1) Rubber polymer or similar that can be removed and re-sealed for new cables entries without any special tools or equipment.
- 2) The existing system must be intact and should not be dismantled during the process of adding or removing cable(s).
- 3) There must be no compression on the cables so as to avoid any damage to the cables.
- 4) The system must be suitable for all type, size and shape of the cables.
- 5) The system must be watertight to a minimum of 2 bars pressure and gas tight to 1 bar.
- 6) The system must be able to withstand a jet fire up to 120 minutes (ISO 22899-1 standard – ‘Determination of the resistance to jet fire of passive fire protection materials’).
- 7) The material should remain stable operating in ambient temperature of -40degC to 70degC.
- 8) It must be UV and Ozone resistance.
- 9) The material should not give off any toxic gases when exposed to fire.
- 10) The service life of the system should be maintained watertight and gas tight for a period not less than 10 years.