

## Tapes for High Temperatures

### Scotch® 69

A glass cloth tape with silicone adhesive coating, printable. High solvent resistance. Suitable for permanent operational temperatures up to 190°C. Bonds fast and is applicable for the external outer wrap on coils.



#### Usage:

- for insulation and mechanical protection of coils and transformers in Class H
- for insulation of lead wires (e.g. outlets) in Class H.

### Scotch® 27

A printable glass cloth tape with rubber adhesive. With extraordinary stability and high tensile strength. Suitable for Class B (130°C), may be temporarily exposed to even higher temperatures. The adhesive is thermosetting, i.e., it sets after some time and the tape cannot be removed in the usual way.

#### Usage:

- mechanical protection, protection against radiation heat
- insulation
- cable protection against flame.

### Scotch® 70

A silicone self-fusing tape with a liner, resistant to electric arc, leakage currents, environment, UV light, ozone and the weather. Outstanding self-fusing and self-cleaning features. Does not contain halogens and when burning, it only gives negligible smoke which is not aggressive or poisonous. Suitable for insulating and sealing of non-flammable cables. It can stand very high temperatures up to 180°C and remains flexible even in extremely low temperatures. Resistant to cable oils, resin and impregnants. It is applied using a gentle stretch (10 up to 100% elongation).



**Usage:**

- the top layer in cable terminations
- insulation for outdoor distributions
- for transformers
- for non-flammable cables
- as an oil barrier in transition sleeves
- flexible insulation for high temperatures.

**Scotch® 77**

A fire retardant tape protecting against flame and electric arc. Made of conformable elastomer without a carrier. Expands in very high temperature (cause by fire and flame) and thus creates a protective layer between a cable and the fire. Resistant to fresh and salt water, acid, waste water and UV exposure. To be applied with gentle tension. The ends are secured with Scotch® 27 against unwrapping. It conducts heat well (until it expands), and therefore does not reduce cable performance markedly. It can even stand the temperature of an electric arc (around 13,000°C) for a limited time and in this way protects the cable. Complies with V-0 UL-94.

**Usage:**

- protection of PVC and other power cables, which would otherwise degrade fast in fire
- protects against fire and electric arc.

Can also be used to protect piping and distribution nets produced from materials non-resistant against fire.

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