



# ARC.ITEC™

## THERMAL PROTECTION for water cooled cables



**Pyroflex 3**  
protects and reduces risks  
of damage of  
your cables

*Also available with auto-grip closure,  
for fitting on already installed cables*

### PYROFLEX PROTECTING HOSE

#### · TECHNICAL DESCRIPTION

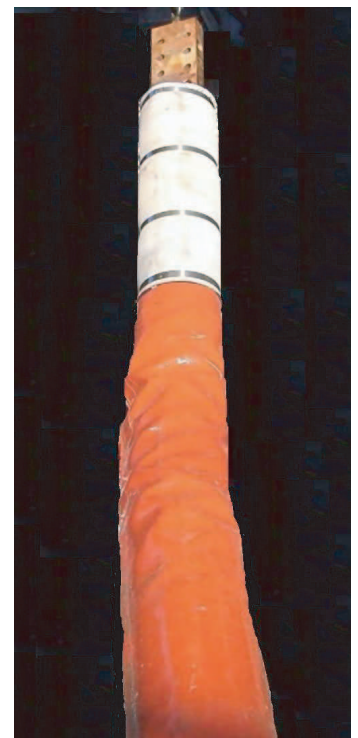
Pyroflex 3 is a heavy-weight fiberglass cloth, with high strength and high insulating properties. It is coated and impregnated on one side with a thick layer of high temperature liquid silicone rubber (red colour).

#### · APPLICATION

Pyroflex 3 protects cables or piping exposed to high temperatures and/or hot metal splashes. This is particularly to the melting furnaces in the glass, steel and non-ferrous metals industries.

#### · TEMPERATURE CAPABILITY

It is rated for a continuous temperature between -54°C and 260°C. A 15 mn exposure to 1100°C will start to transform silicone rubber into a protective refractory layer of silicium dioxide SiO<sub>2</sub>. The fiberglass cloth can withstand continuous operation at 550°C (silicon coating may also be transformed into SiO<sub>2</sub> in this case), with temporary exposure to 650°C. It softens in the 730°C to 900°C range, and starts melting above 1120°C. Short time (15 to 30 seconds) exposure to 1650°C will only damage the cloth and silicon locally



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### • PHYSICAL PROPERTIES

Density	: 3250 g/m <sup>2</sup>	Water absorption	: none (silicone coated side)
Nominal thickness	: 3.7 mm +/- 0.5 mm	Moisture absorption	: none (silicone coated side)
Flame resistance	: excellent	Oils absorption	: none (silicone coated side)
Auto-extinguishability	: yes	Color	: iron oxide red / white
Abrasion resistance	: excellent		

### • HAZARDS IDENTIFICATION

Inhalation of glass fibre is the main hazard known with this product. Exposure may cause irritation of the skin, and less frequently of the eyes, nose or throat. Ingestion may cause short term irritation of the stomach and intestines.

### • HANDLING AND STORAGE

No special warehouse conditions are required.

### • DISCLAIMER

Due to the range of possible applications, no warranty is expressed or implied. While the information given herein is believed to be reliable, **E.ITEC®** makes no warranty as to its accuracy or completeness.

### • AVAILABLE SHAPES

Pyroflex 3 is available in various shapes, such as :

- Seamless tubes with inside diameters between 6 mm and 127 mm.
- Cable covers, either sewn or closed with Velcro hook-and-loop closure, with diameters between 128 mm and 292 mm (tailor-made).
- Blanket, with a width of 1 metre. Assembly (sewn or with Velcro) is possible, to obtain larger widths.



**E.ITEC®** SAS with capital of 90 000 Euros

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