



# SILIFLAM® THS

Safety cables for extreme temperatures and fire related applications

- High temperature resistance\* \*  
**SILIFLAM® THS 1000 Series: +400°C to +800°C**  
**SILIFLAM® THS 1200 Series: +500°C to +1,000°C**  
**SILIFLAM® THS 1400 Series: +700°C to +1,200°C**  
**SILIFLAM® THS 1500 Series: +900°C to +1,400°C**
- Low voltage (until 600 / 1,000 V)
- Asbestos free

\* Due to their specificity, and the nature of the installations powered, it is difficult to state specific and perfectly defined operating temperature ranges for SILIFLAM® THS. However, it is possible to state recommended operating limits, essentially representing the temperature range withstood by the insulation without sustaining rapid noteworthy degradation of its dielectric properties, potentially leading to short circuits that can be harmful for the installation.

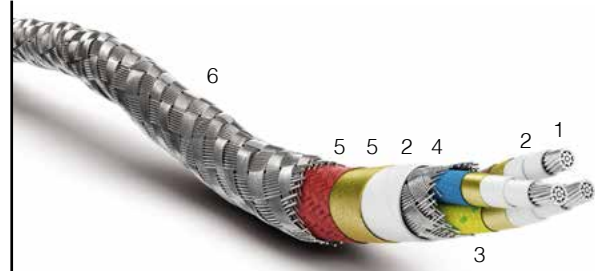
**Construction**

- 1- Nickel plated copper or Nickel conductors (see table below for more details)
- 2- (Optional) PTFE or Polyimide tapes
- 3- Composite insulation and jacketing: Mica and coated Borosilicoaluminat fibre
- 4- (Optional) Nickel-plated copper electrical screen braid
- 5- (Optional) AISI 304 Stainless steel outer shielding

**Outer jacket:**

- THS 1000 and 1200 series: Brick Red or Grey
- THS 1400 and 1500 series: Natural White

\*\* Note: The color of the conductors is used for the purposes of identification during assembly. In view of the extreme temperatures liable to be encountered by SILIFLAM® THS, some colors may partially disappear or be modified in the course of normal cable use, as most of the pigments used are not capable of withstanding the temperatures liable to be applied to these products.



Use: SILIFLAM® THS products can operate under conditions and temperatures that no other standard cable on the market can withstand. They are specifically designed to power industrial installations and keep them running under the most severe operating conditions. They can be used in areas where the conditions may vary under exceptional or accidental circumstances and reach abnormal levels. In this case, SILIFLAM® THS retain their electrical integrity for a period of time, thus allowing proper shut down of the installation and evacuation of personnel and equipment.

**Standard products**

- Color coding \*\* = Conductors: THS 1000 and 1200 Series: according to IEC 60445
- THS 1400 and 1500 Series: Natural White or according to IEC 60445
- Outer jacket:  
 THS 1000 and 1200 series: Brick Red or Grey  
 THS 1400 and 1500 series: Natural White

**Further technical information**

Conducting conductors	2%, 27% Nickel-plated copper or pure Nickel
Available range – Single conductor cable	AWG 24 to 750MCM
Available range – Multi conductor cable	2 to 37 conductors (depends on models)
Option: dielectric reinforced protection	PTFE (THS 1030 and 1230 series) or Polyimide tapes (THS 105. 125. 1450 and 1550 series)
Option: electromagnetic interferences protection	Electrical screen in Nickel plated copper (THS reference – BCN series)
Option: mechanical protection	Stainless steel armor (THS references – BI series)



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