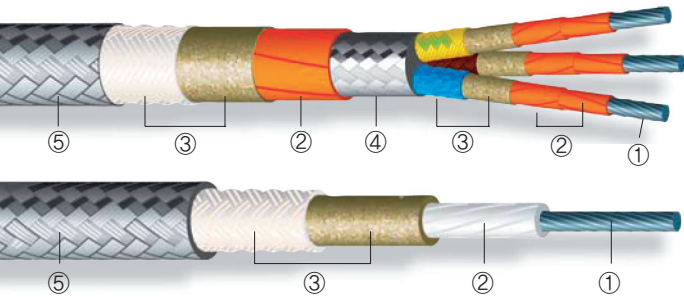


# Heat-Resistance Cables

THS 1400 Series + 800°C to +1200°C \*

RoHS



- ① Flexible nickel core – nickel 200 – ASTM B160
- ② (Optional) **Teflon**® PTFE tape or 2 **Kapton**® polyimid heat-sealed tapes.
- ③ Composite insulation and sheathing type THS 1400 in mica and coated quartz fibre.
- ④ (Optional) Electrical screen braiding in nickel-plated copper.
- ⑤ (Optional) Outer shielding in stainless steel AISI 304.

## Characteristics

### Physical-chemical

- Working temperature : 800°C to 1200°C \*
- Good resistance to thermal shock and ageing.
- Good resistance to mould and humidity.
- Improved resistance to aggressive environments and humidity : ref. THS 1430 and THS 1450.
- Improved resistance to radiation and thermal shock : ref. THS 1450.

### Electrical

- Working voltage : up to 600/1000V.
- Test voltage : 2500V.
- Improved dielectric strength : ref. THS 1430 and THS 1450.

## Products

- Ref. **THS 1400** : insulation and sheathing type THS 1400.
- Ref. **THS 1430** : insulation and sheathing type THS1400 with **Teflon**® PTFE reinforcement.
- Ref. **THS 1200** : insulation and sheathing type THS 1400 with **Kapton**® polyimid reinforcement.

## Packaging

- Rolls or drums.

## Applications

- Any high/low current cabling in high-risk environments (fire, projections of metal or molten glass, aggressive environments, explosive atmospheres, etc.).
- Any installations that are permanently subjected to very high temperatures.



## Designation

SILIFLAM® THS 1400 U	SILIFLAM® THS 1430 U	SILIFLAM® THS 1450 U
SILIFLAM® THS 1400 U - BI	SILIFLAM® THS 1430 U - BI	SILIFLAM® THS 1450 U - BI
SILIFLAM® THS 1400 M	SILIFLAM® THS 1430 M	SILIFLAM® THS 1450 M
SILIFLAM® THS 1400 M - BI	SILIFLAM® THS 1430 M - BI	SILIFLAM® THS 1450 M - BI
SILIFLAM® THS 1400 M - BCN	SILIFLAM® THS 1430 M - BCN	SILIFLAM® THS 1450 M - BCN
SILIFLAM® THS 1400 M - BCN - BI	SILIFLAM® THS 1430 M - BCN - BI	SILIFLAM® THS 1450 M - BCN - BI

Outer shielding in stainless steel  
 Electrical screen braiding in nickel-plated copper  
 U: SINGLE-CONDUCTOR - M: MULTICONDUCTOR

## Cross-sections

## Number of conductors

	Minimum mm <sup>2</sup>	Maximum mm <sup>2</sup>	Minimum	Maximum
SINGLE-CONDUCTOR	0.22	630		
MULTICONDUCTOR	0.22	2.5	2	37
	4	6	2	24
	10	95	2	5

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