

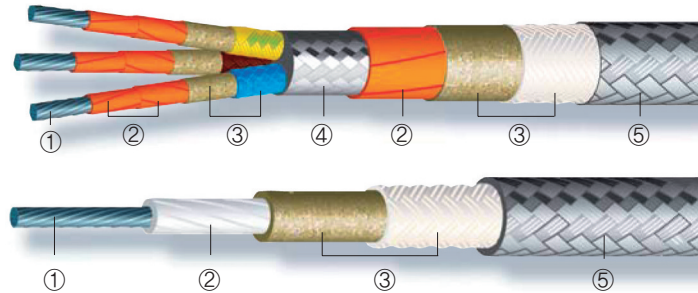
+1,400°C

Heat-Resistance Cables

RoHS

+ 1000°C to + 1400°C THS 1500 Series

- ① Flexible nickel core – nickel 200 – ASTM B160
- ② (Optional) **Teflon®** PTFE tape or 2 **Kapton®** polyimid thermo-welded tapes.
- ③ Composite insulation and sheathing type THS 1500 in mica and coated borosilicoaluminate fibre.
- ④ (Optional) Electrical screen braiding in nickel-plated copper.
- ⑤ (Optional) Outer shielding in stainless steel AISI 304.



Characteristics

Physical-chemical

- Working temperature : 1000 °C to 1400°C *
- Good resistance to thermal shock and ageing.
- Good resistance to mould and humidity.
- Improved resistance to aggressive environments and humidity : ref. THS 1530 and THS 1550.
- Improved resistance to radiation and thermal shock : ref. THS 1550.

Electrical

- Working voltage : up to 600/1000V.
- Test voltage : 2500V.
- Improved dielectric strength: ref. THS 1530 and THS 1550.

Products

- Ref. **THS 1500** : insulation and sheathing type THS 1500.
- Ref. **THS 1530** : insulation and sheathing type THS1500 with **Teflon®** PTFE reinforcement.
- Ref. **THS 1550** : insulation and sheathing type THS 1500 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 1500 U | SILIFLAM® THS 1530 U | SILIFLAM® THS 1550 U |
| SILIFLAM® THS 1500 U - BI | SILIFLAM® THS 1530 U - BI | SILIFLAM® THS 1550 U - BI |
| SILIFLAM® THS 1500 M | SILIFLAM® THS 1530 M | SILIFLAM® THS 1550 M |
| SILIFLAM® THS 1500 M - BI | SILIFLAM® THS 1530 M - BI | SILIFLAM® THS 1550 M - BI |
| SILIFLAM® THS 1500 M - BCN | SILIFLAM® THS 1530 M - BCN | SILIFLAM® THS 1550 M - BCN |
| SILIFLAM® THS 1500 M - BCN - BI | SILIFLAM® THS 1530 M - BCN - BI | SILIFLAM® THS 1550 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 ² | Maximum mm ² | 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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