

HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION III: COMPOSITE INSULATIONS

SILIFLAM® THS 1500

Approvals - standards

- Nickel type 200, as per standards DIN 17753, DIN 17740 and ASTM B160.

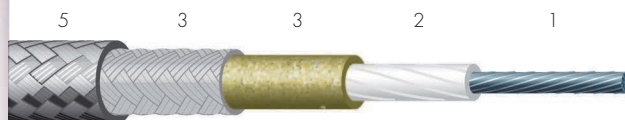
Applications

- See range presentation sheet (FT 3301).
The THS 1500 series is recommended for zones subject to the most extreme temperatures.

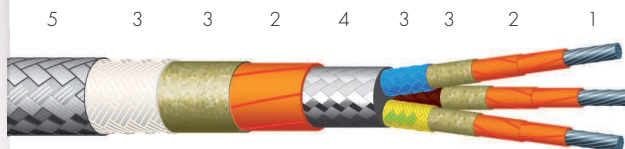
Options

- Other nominal cross-sections: contact us.
- Other numbers of conductors: contact us.
- 27% nickel-plated copper conducting cores: contact us.
- Refractory metal conducting cores: contact us.
- Other options or cables based on the THS 1200 series, designed on request: contact us.

VERY HIGH SAFETY CABLES FOR INDUSTRIAL APPLICATIONS



THS 1500 U



THS 1500 M

- 1 • Type 200 pure nickel core as per ASTM B160.
- 2 • (Optional) 2 heat-sealed PTFE (THS 1530) or polyimide (THS 1550) tapes.
- 3 • THS 1500 type composite insulation and sheathing: mica and coated borosilicoaluminate fibre.
- 4 • (Optional) Nickel-plated copper electrical screen braid.
- 5 • (Optional) AISI 304 stainless steel outer shielding.

Characteristics General

- Continuous operating temperatures: See general presentation sheet (FT 3301).
- Good resistance to thermal shocks and ageing.

Electrical

- Rated voltage: 300/500 V to 600/1000V.
- Test voltage: THS 1500 series: 1500 V.
THS 1530 and 1550 series: 2500V.

Standard products

- See also: Range presentation sheet (FT 3301).
- Ref. THS 1500 U: Unipolar - THS 1500 type insulation.
- Ref. THS 1500 M: Multi-conductor - THS 1500 type insulation and sheathing.
- Ref. THS 1530 U/M: THS 1500 insulation / sheathing with PTFE reinforcement.
- Ref. THS 1550 U/M: THS 1500 insulation / sheathing with polyimide reinforcement.
- Ref. THS 1500 U/M - BCN: Nickel-plated copper electrical screen.
- Ref. THS 1500 U/M - BI: Stainless steel flexible armour.

For this product, please contact:

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Conducting core			INSULATED CONDUCTORS	SHEATHED CABLE
Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Approximate diameter ⁽¹⁾ of single conductors (THS 1500 M version) (mm)	Approximate diameter ⁽¹⁾ of cable (THS 1500 U and THS 1500 M version) (mm)
THS 1500 U				
1 × 0.5	7 × 0.30	229	-	2.2
1 × 0.75	11 × 0.30	156	-	2.6
1 × 1	14 × 0.30	115	-	3.0
1 × 1.5	21 × 0.30	77.2	-	3.2
1 × 2.5	35 × 0.30	47.2	-	3.8
1 × 4	56 × 0.30	31.5	-	4.5
1 × 6	84 × 0.30	21.0	-	5.0
THS 1500 M				
2 × 0.5	7 × 0.30	229	2.2	6.1
3 × 0.5	7 × 0.30	229	2.2	6.4
4 × 0.5	7 × 0.30	229	2.2	6.9
5 × 0.5	7 × 0.30	229	2.2	7.7
7 × 0.5	7 × 0.30	229	2.2	8.3
2 × 0.75	11 × 0.30	156	2.6	6.8
3 × 0.75	11 × 0.30	156	2.6	7.0
4 × 0.75	11 × 0.30	156	2.6	7.7
5 × 0.75	11 × 0.30	156	2.6	8.4
7 × 0.75	11 × 0.30	156	2.6	9.1
2 × 1	14 × 0.30	115	3.0	7.7
3 × 1	14 × 0.30	115	3.0	8.2
4 × 1	14 × 0.30	115	3.0	8.9
5 × 1	14 × 0.30	115	3.0	9.8
7 × 1	14 × 0.30	115	3.0	10.6
2 × 1.5	21 × 0.30	77.2	3.2	8.0
3 × 1.5	21 × 0.30	77.2	3.2	8.5
4 × 1.5	21 × 0.30	77.2	3.2	9.2
5 × 1.5	21 × 0.30	77.2	3.2	10.2
7 × 1.5	21 × 0.30	77.2	3.2	11.2
2 × 2.5	35 × 0.30	47.2	3.8	9.1
3 × 2.5	35 × 0.30	47.2	3.8	9.6
4 × 2.5	35 × 0.30	47.2	3.8	10.7
2 × 4	56 × 0.30	31.5	4.5	10.6
3 × 4	56 × 0.30	31.5	4.5	11.2
4 × 4	56 × 0.30	31.5	4.5	12.5
2 × 6	84 × 0.30	21.0	5.0	11.6
3 × 6	84 × 0.30	21.0	5.0	12.4
4 × 6	84 × 0.30	21.0	5.0	13.7

(1) the diameters stated are approximate. They can vary substantially (± 2 mm or $\pm 20\%$) according to the series or options in question (THS 1530, THS 1550, BCN, BI option, etc.) and do not apply to derivative products designed on request, which are the subject of a specific technical data sheet.

For this product, please contact:

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