

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.

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:

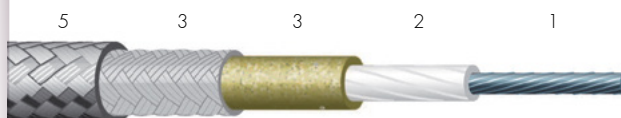
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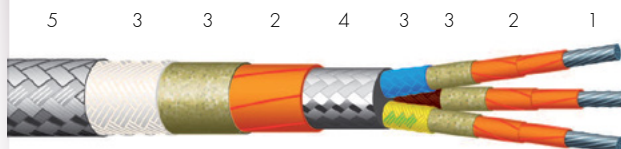
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LES CABLES DE L'EXTREME

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.

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.
For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.
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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 x 0.5	7 x 0.30	229	-	2.2
1 x 0.75	11 x 0.30	156	-	2.6
1 x 1	14 x 0.30	115	-	3.0
1 x 1.5	21 x 0.30	77.2	-	3.2
1 x 2.5	35 x 0.30	47.2	-	3.8
1 x 4	56 x 0.30	31.5	-	4.5
1 x 6	84 x 0.30	21.0	-	5.0
THS 1500 M				
2 x 0.5	7 x 0.30	229	2.2	6.1
3 x 0.5	7 x 0.30	229	2.2	6.4
4 x 0.5	7 x 0.30	229	2.2	6.9
5 x 0.5	7 x 0.30	229	2.2	7.7
7 x 0.5	7 x 0.30	229	2.2	8.3
2 x 0.75	11 x 0.30	156	2.6	6.8
3 x 0.75	11 x 0.30	156	2.6	7.0
4 x 0.75	11 x 0.30	156	2.6	7.7
5 x 0.75	11 x 0.30	156	2.6	8.4
7 x 0.75	11 x 0.30	156	2.6	9.1
2 x 1	14 x 0.30	115	3.0	7.7
3 x 1	14 x 0.30	115	3.0	8.2
4 x 1	14 x 0.30	115	3.0	8.9
5 x 1	14 x 0.30	115	3.0	9.8
7 x 1	14 x 0.30	115	3.0	10.6
2 x 1.5	21 x 0.30	77.2	3.2	8.0
3 x 1.5	21 x 0.30	77.2	3.2	8.5
4 x 1.5	21 x 0.30	77.2	3.2	9.2
5 x 1.5	21 x 0.30	77.2	3.2	10.2
7 x 1.5	21 x 0.30	77.2	3.2	11.2
2 x 2.5	35 x 0.30	47.2	3.8	9.1
3 x 2.5	35 x 0.30	47.2	3.8	9.6
4 x 2.5	35 x 0.30	47.2	3.8	10.7
2 x 4	56 x 0.30	31.5	4.5	10.6
3 x 4	56 x 0.30	31.5	4.5	11.2
4 x 4	56 x 0.30	31.5	4.5	12.5
2 x 6	84 x 0.30	21.0	5.0	11.6
3 x 6	84 x 0.30	21.0	5.0	12.4
4 x 6	84 x 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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