

SILIFLAM® THS 1400

VERY HIGH SAFETY CABLES
FOR INDUSTRIAL APPLICATIONS

Approvals - standards

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

Applications

- See range presentation sheet (FT 3301).
The THS 1400 series is recommended for zones subject to very high continuous or temperature peaks (flames, falling slag, molten metals, proximity of furnace door, etc.).

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 1400 series, designed on request: contact us.

Characteristics General

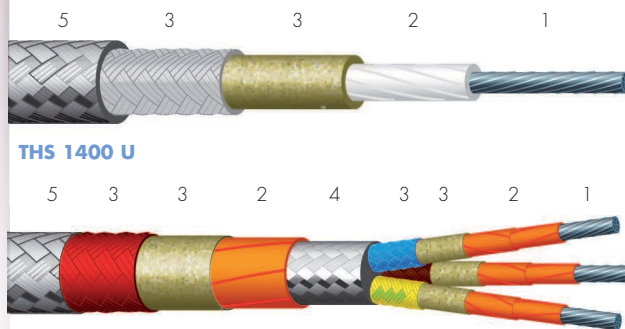
- Continuous operating temperatures: See general presentation sheet (FT 3301).
- Good resistance to thermal shocks and ageing.

Electrical

- Rated voltage: 300/500 V to 600/1000V.
- Test voltage: THS 1400 series: 1500 V.
THS 1430 and 1450 series: 2500V.

Standard products

- See also: Range presentation sheet (FT 3301).
- Ref. THS 1400 U: Unipolar - THS 1400 type insulation.
- Ref. THS 1400 M: Multi-conductor - THS 1400 type insulation and sheathing.
- Ref. THS 1430 U/M: THS 1400 insulation / sheathing with PTFE reinforcement.
- Ref. THS 1450 U/M: THS 1400 insulation / sheathing with polyimide reinforcement.
- Ref. THS 1400 U/M - BCN: Nickel-plated copper electrical screen.
- Ref. THS 1400 U/M - BI: Stainless steel flexible armour.



THS 1400 U

THS 1400 M

- 1 • Type 200 pure nickel core as per ASTM B160.
- 2 • (Optional) 2 heat-sealed PTFE (THS 1430) or polyimide (THS 1450) tapes.
- 3 • THS 1400 type composite insulation and sheathing: mica and coated silica fibre.
- 4 • (Optional) Nickel-plated copper electrical screen braid.
- 5 • (Optional) AISI 304 stainless steel outer shielding.

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 1400 M version) (mm)	Approximate diameter ⁽¹⁾ of cable (THS 1400 U and THS 1400 M version) (mm)
THS 1400 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 1400 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 1430, THS 1450, 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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LES CABLES DE L'EXTREME

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