

SILIFLAM® THS 1200

VERY HIGH SAFETY CABLES
FOR INDUSTRIAL APPLICATIONS

Approvals - standards

- Nickel-plated copper complying with the 2% or 27% class as per standard ASTM B355.

Applications

- See range presentation sheet (FT 3301).
The THS 1200 series is recommended for zones subject to very high temperature peaks (flames, falling slag, etc.) and high continuous operating temperatures.

Options

- Other nominal cross-sections: contact us.
- Pure nickel core, ref. SILIFLAM THS 1201: contact us.
- Other numbers of conductors: contact us.
 - Other options or cables based on the THS 1200 series, designed on request: contact us.

Characteristics General

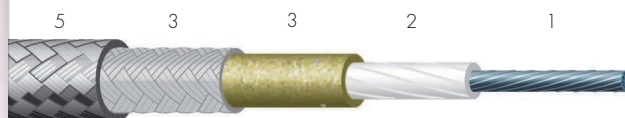
- Continuous operating temperatures: See general presentation sheet (FT 3301).
- Good resistance to thermal shocks and ageing.

Electrical

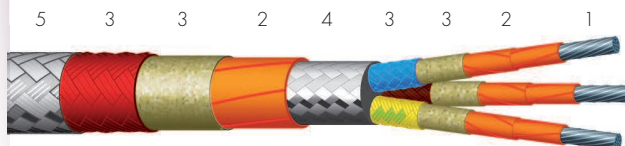
- Rated voltage: 300/500 V to 600/1000V.
- Test voltage: THS 1200 series: 1500 V.
THS 1230 and 1250 series: 2500V.

Standard products

- See also: Range presentation sheet (FT 3301).
- Ref. THS 1200 U: Unipolar - THS 1200 type insulation.
- Ref. THS 1200 M: Multi-conductor - THS 1200 type insulation and sheathing.
- Ref. THS 1230 U/M: THS 1200 insulation / sheathing with PTFE reinforcement.
- Ref. THS 1250 U/M: THS 1200 insulation / sheathing with polyimide reinforcement.
- Ref. THS 1200 U/M - BCN: Nickel-plated copper electrical screen.
- Ref. THS 1200 U/M - BI: Stainless steel flexible armour.



THS 1200 U



THS 1200 M

- 1 • 2% or 27% nickel-plated copper core as per ASTM B355.
- 2 • (Optional) 2 heat-sealed PTFE (THS 1230) or polyimide (THS 1250) tapes.
- 3 • THS 1200 type composite insulation and sheathing: mica and coated mineral 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 1200 M version) (mm)	Approximate diameter (1) of cable (THS 1200 U and 1200 M version) (mm)
THS 1200 U				
1 x 0.5	7 x 0.30	40.1	-	2.2
1 x 0.75	11 x 0.30	26.7	-	2.6
1 x 1	14 x 0.30	20.0	-	3.0
1 x 1.5	21 x 0.30	13.7	-	3.2
1 x 2.5	35 x 0.30	8.21	-	3.6
1 x 4	56 x 0.30	5.09	-	4.3
1 x 6	84 x 0.30	3.39	-	5.2
1 x 10	80 x 0.40	1.95	-	8.0
1 x 16	126 x 0.40	1.24	-	8.6
1 x 25	196 x 0.40	0.795	-	9.9
1 x 35	276 x 0.40	0.565	-	11.0
1 x 50	396 x 0.40	0.393	-	13.2
1 x 70	543 x 0.40	0.277	-	16.1
1 x 95	740 x 0.40	0.210	-	18.1
1 x 120	925 x 0.40	0.164	-	20.2
1 x 150	1184 x 0.40	0.132	-	21.6
THS 1200 M				
2 x 0.5	7 x 0.30	40.1	2.2	6.1
3 x 0.5	7 x 0.30	40.1	2.2	6.4
4 x 0.5	7 x 0.30	40.1	2.2	6.9
5 x 0.5	7 x 0.30	40.1	2.2	7.7
7 x 0.5	7 x 0.30	40.1	2.2	8.3
2 x 0.75	11 x 0.30	26.7	2.6	6.8
3 x 0.75	11 x 0.30	26.7	2.6	7.3
4 x 0.75	11 x 0.30	26.7	2.6	8.1
5 x 0.75	11 x 0.30	26.7	2.6	8.7
7 x 0.75	11 x 0.30	26.7	2.6	9.4
2 x 1	14 x 0.30	20.0	3.0	7.6
3 x 1	14 x 0.30	20.0	3.0	8.1
4 x 1	14 x 0.30	20.0	3.0	8.9
5 x 1	14 x 0.30	20.0	3.0	9.8
7 x 1	14 x 0.30	20.0	3.0	10.6
12 x 1	14 x 0.30	20.0	3.0	14.0
2 x 1.5	21 x 0.30	13.7	3.2	8.0
3 x 1.5	21 x 0.30	13.7	3.2	8.5
4 x 1.5	21 x 0.30	13.7	3.2	9.0
5 x 1.5	21 x 0.30	13.7	3.2	10.0
7 x 1.5	21 x 0.30	13.7	3.2	11.2
12 x 1.5	21 x 0.30	13.7	3.2	15.0
19 x 1.5	21 x 0.30	13.7	3.2	17.5
27 x 1.5	21 x 0.30	13.7	3.2	21.8
37 x 1.5	21 x 0.30	13.7	3.2	24.2
2 x 2.5	35 x 0.30	8.21	3.6	8.8
3 x 2.5	35 x 0.30	8.21	3.6	9.2
4 x 2.5	35 x 0.30	8.21	3.6	10.3
5 x 2.5	35 x 0.30	8.21	3.6	11.4
7 x 2.5	35 x 0.30	8.21	3.6	12.4
2 x 4	56 x 0.30	5.09	4.3	10.2
3 x 4	56 x 0.30	5.09	4.3	10.9
4 x 4	56 x 0.30	5.09	4.3	11.6
5 x 4	56 x 0.30	5.09	4.3	13.4
7 x 4	56 x 0.30	5.09	4.3	14.6
2 x 6	84 x 0.30	3.39	5.2	12.1
3 x 6	84 x 0.30	3.39	5.2	12.9
4 x 6	84 x 0.30	3.39	5.2	14.3
5 x 6	84 x 0.30	3.39	5.2	15.8
3 x 10	80 x 0.40	1.95	8.0	18.8
4 x 10	80 x 0.40	1.95	8.0	20.9
5 x 10	80 x 0.40	1.95	8.0	23.4
3 x 16	126 x 0.40	1.24	9.0	21.1
4 x 16	126 x 0.40	1.24	9.0	23.4
5 x 16	126 x 0.40	1.24	9.0	26.1
3 x 25	196 x 0.40	0.795	10.6	24.5
4 x 25	196 x 0.40	0.795	10.6	27.3
5 x 25	196 x 0.40	0.795	10.6	30.4
3 x 35	276 x 0.40	0.565	13.0	29.6
4 x 35	276 x 0.40	0.565	13.0	33.0
5 x 35	276 x 0.40	0.565	13.0	36.9
3 x 50	396 x 0.40	0.393	14.4	32.6
4 x 50	396 x 0.40	0.393	14.4	36.5
5 x 50	396 x 0.40	0.393	14.4	40.7

(1) the diameters stated are approximate. They can vary substantially (± 2 mm or $\pm 20\%$) according to the series or options in question (THS 1230, THS 1250, BCN, BI option, etc.) and do not apply to derivative products designed on request, which are the subject of a specific technical data sheet.