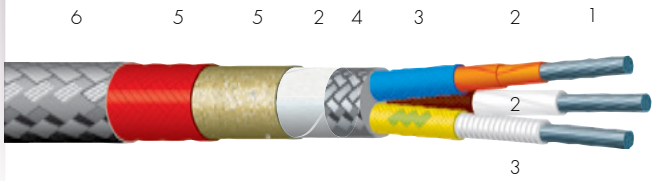
VERY HIGH SAFETY CABLES
FOR INDUSTRIAL APPLICATIONS

SILIFLAM® THS 1000



1 • Nickel-plated copper core as per ASTM B355.
2 • (Optional) 2 heat-sealed PTFE (THS 1030) or polyimide (THS 1050) tapes.
3 • Coated high temperature fibreglass braid.
4 • (Optional) Nickel-plated copper electrical screen braid.
5 • THS 1000 type composite mica and coated mineral fibreglass sheathing.
6 • (Optional) AISI 304 stainless steel outer shielding.

Approvals - standards

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

Applications

• See range presentation sheet (FT 3301). The THS 1000 series is recommended for zones subject to high temperature peaks (sporadic flames, etc.) and moderately high continuous operating temperatures.

Options

• Other nominal cross-sections: contact us.
• 27% class nickel-plated copper cores as per ASTM B355: contact us.
• Pure nickel core, ref. SILIFLAM THS 1001: contact us.
• Other numbers of conductors: contact us.
• Other options or cables based on the THS 1000 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 1000 series: 1500 V.
THS 1030 and 1050 series: 2500V.

Standard products

• See also: Range presentation sheet (FT 3301).

• Ref. THS 1000 M: THS 1000 type insulation and sheathing.

• Ref. THS 1030 M: THS 1000 insulation and sheathing with PTFE reinforcement.
• Ref. THS 1050 M: THS 1000 insulation and sheathing with polyimide reinforcement.

• Ref. THS 1000 M - BCN: Nickel-plated copper electrical screen.
• Ref. THS 1000 M - BI: Stainless steel flexible armour.

For this product, please contact:

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LES CABLES DE L'EXTREME

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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)	Nominal diameter of the conductor (mm)	Approximate diameter (1) of cable (THS 1000 M version) (mm)
2 x 0.5	7 x 0.30	40.1	2.5	6.6
3 x 0.5	7 x 0.30	40.1	2.5	6.9
4 x 0.5	7 x 0.30	40.1	2.5	7.6
5 x 0.5	7 x 0.30	40.1	2.5	8.4
7 x 0.5	7 x 0.30	40.1	2.5	9.1
2 x 0.75	11 x 0.30	26.7	2.7	7.0
3 x 0.75	11 x 0.30	26.7	2.7	7.4
4 x 0.75	11 x 0.30	26.7	2.7	8.2
5 x 0.75	11 x 0.30	26.7	2.7	9.1
7 x 0.75	11 x 0.30	26.7	2.7	10.5
2 x 1	14 x 0.30	20.0	3.2	7.8
3 x 1	14 x 0.30	20.0	3.2	8.8
4 x 1	14 x 0.30	20.0	3.2	9.4
5 x 1	14 x 0.30	20.0	3.2	10.3
7 x 1	14 x 0.30	20.0	3.2	11.5
12 x 1	14 x 0.30	20.0	3.2	15.0
2 x 1.5	21 x 0.30	13.7	3.4	8.1
3 x 1.5	21 x 0.30	13.7	3.4	9.0
4 x 1.5	21 x 0.30	13.7	3.4	10.0
5 x 1.5	21 x 0.30	13.7	3.4	10.8
7 x 1.5	21 x 0.30	13.7	3.4	11.8
12 x 1.5	21 x 0.30	13.7	3.4	15.8
2 x 2.5	35 x 0.30	8.21	4.0	9.6
3 x 2.5	35 x 0.30	8.21	4.0	10.2
4 x 2.5	35 x 0.30	8.21	4.0	11.0
5 x 2.5	35 x 0.30	8.21	4.0	12.4
7 x 2.5	35 x 0.30	8.21	4.0	14.0
12 x 2.5	35 x 0.30	8.21	4.0	18.2
2 x 4	56 x 0.30	5.09	4.5	10.7
3 x 4	56 x 0.30	5.09	4.5	11.4
4 x 4	56 x 0.30	5.09	4.5	12.7
5 x 4	56 x 0.30	5.09	4.5	13.7
7 x 4	56 x 0.30	5.09	4.5	15.2
2 x 6	84 x 0.30	3.39	5.0	11.7
3 x 6	84 x 0.30	3.39	5.0	12.5
4 x 6	84 x 0.30	3.39	5.0	14.0
5 x 6	84 x 0.30	3.39	5.0	15.3
3 x 10	80 x 0.40	1.95	8.0	18.9
4 x 10	80 x 0.40	1.95	8.0	21.3
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	29.7
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	36.4
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 ± 20%) according to the series or options in question (THS 1030, THS 1050, BCN, BI option, etc.) and do not apply to derivative products designed on request, which are the subject of a specific technical data sheet.