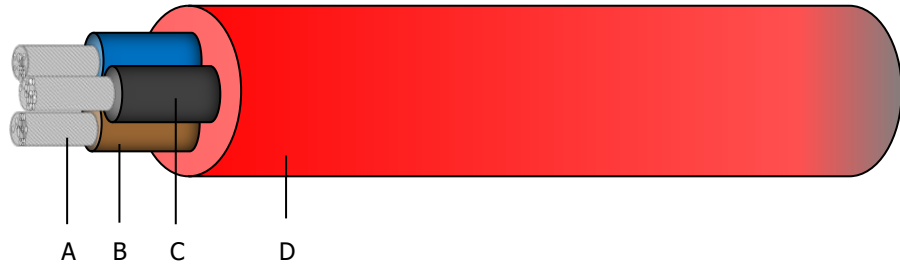
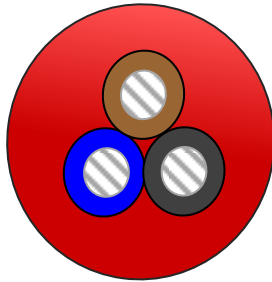


HEAT RESISTANCE CABLE

THOMFLEX-SIL (M)



APPLICATION / CHARACTERISTICS

- Rated for use up to 180°C and can handle rapid increases in heat.
- Metal industry, glassworks, Steel mills, Commercial baking equipment, Furnaces, Ovens, Welding sets, Lighting, Thermoplastics and rubber machines, floodlights, etc.

CABLE STANDARDS

Reference standard : IEC 60502-1



CONSTRUCTION

A) Conductor	Tinned annealed copper wires
B) Insulation	Silicone rubber
Core Identification	Customer's options DIN VDE 0293-308 & 6C ↑ : Black or White cores numbering
C) Assembly	Required cores shall be assembled
D) Sheath	Silicone rubber
Sheath Colour	Customer's options

TECHNICAL DATA

Rated voltage	0.6/1kV
Test voltage	3,500V/5min.
Min. bending radius	4 x D (Fixed)
Temperature range	-60°C ~ 180°C (up to 220°C)
Flame retardant	IEC 60332-1-2

No. of cores x cross-sectional area (No. x mm ²)	Diameter of cable Nom. (mm)	Copper weight Approx. (kg/km)	Cable weight Approx. (kg/km)	Conductor resistance at 20°C (Ω/km)
2 x 0.5	7.2	9.6	72.0	40.1
3 x 0.5	7.5	14.5	80.0	40.1
4 x 0.5	8.1	19.3	94.0	40.1
5 x 0.5	8.7	24.0	111.0	40.1
7 x 0.5	9.4	34.0	131.0	40.1
2 x 0.75	7.5	14.4	85.0	26.7
3 x 0.75	8.0	21.6	94.0	26.7

No. of cores x cross-sectional area (No. x mm ²)	Diameter of cable Nom. (mm)	Copper weight Approx. (kg/km)	Cable weight Approx. (kg/km)	Conductor resistance at 20°C (Ω/km)
4 x 0.75	8.6	29.0	110.0	26.7
5 x 0.75	9.3	36.0	131.0	26.7
7 x 0.75	10.0	43.0	150.0	26.7
6 x 0.75	10.0	50.0	163.0	26.7
8 x 0.75	11.1	59.0	190.0	26.7
12 x 0.75	13.3	87.0	266.0	26.7
24 x 0.75	18.9	176.0	530.0	26.7

Continued on next page

HEAT RESISTANCE CABLE

THOMFLEX-SIL (M)

No. of cores x cross-sectional area	Diameter of cable Nom.	Copper weight Approx.	Cable weight Approx.	Conductor resistance at 20 °C	No. of cores x cross-sectional area	Diameter of cable Nom.	Copper weight Approx.	Cable weight Approx.	Conductor resistance at 20 °C
(No. x mm ²)	(mm)	(kg/km)	(kg/km)	(Ω/km)	(No. x mm ²)	(mm)	(kg/km)	(kg/km)	(Ω/km)
30 x 0.75	19.8	222.0	625.0	26.7	12 x 2.5	19.8	288.0	673.0	8.21
36 x 0.75	21.4	264.0	730.0	26.7	14 x 2.5	20.9	332.0	780.0	8.21
2 x 1.0	8.2	19.0	98.0	20.0	16 x 2.5	22.2	384.0	860.0	8.2
3 x 1.0	8.6	29.0	111.0	20.0	18 x 2.5	23.3	432.0	955.0	8.21
4 x 1.0	9.3	38.0	134.0	20.0	20 x 2.5	24.3	480.0	1,066.0	8.21
5 x 1.0	10.0	48.0	157.0	20.0	24 x 2.5	27.5	580.0	1,292.0	8.21
6 x 1.0	11.2	58.0	190.0	20.0	25 x 2.5	27.5	600.0	1,310.0	8.21
7 x 1.0	11.2	67.0	201.0	20.0	2 x 4	12.0	77.0	239.0	5.09
8 x 1.0	12.2	77.0	237.0	20.0	3 x 4	12.6	115.0	282.0	5.09
10 x 1.0	14.0	96.0	288.0	20.0	4 x 4	13.9	154.0	348.0	5.09
12 x 1.0	14.6	116.0	334.0	20.0	5 x 4	15.3	192.0	430.0	5.09
16 x 1.0	16.0	154.0	414.0	20.0	6 x 4	16.6	230.0	480.0	5.09
18 x 1.0	17.0	173.0	465.0	20.0	7 x 4	16.6	269.0	533.0	5.09
25 x 1.0	20.4	240.0	653.0	20.0	10 x 4	21.6	380.0	810.0	5.09
2 x 1.5	9.0	29.0	112.0	13.7	14 x 4	23.5	535.0	1,060.0	5.09
3 x 1.5	9.4	43.0	139.0	13.7	2 x 6	13.6	115.0	322.0	3.39
4 x 1.5	10.7	58.0	181.0	13.7	3 x 6	14.0	173.0	382.0	3.39
5 x 1.5	11.7	72.0	216.0	13.7	4 x 6	15.5	230.0	471.0	3.39
6 x 1.5	12.6	86.0	249.0	13.7	5 x 6	16.9	288.0	560.0	3.39
7 x 1.5	12.6	101.0	266.0	13.7	6 x 6	19.2	345.0	710.0	3.39
8 x 1.5	13.5	114.0	303.0	13.7	7 x 6	19.2	403.0	758.0	3.39
10 x 1.5	15.8	142.0	380.0	13.7	2 x 10	17.4	192.0	537.0	1.95
12 x 1.5	16.5	175.0	442.0	13.7	3 x 10	19.2	288.0	646.0	1.95
16 x 1.5	18.9	230.0	466.0	13.7	4 x 10	21.1	384.0	810.0	1.95
18 x 1.5	19.8	262.0	670.0	13.7	5 x 10	23.1	480.0	986.0	1.95
20 x 1.5	20.4	290.0	720.0	13.7	2 x 16	21.0	310.0	787.0	1.24
25 x 1.5	23.0	358.0	874.0	13.7	3 x 16	22.2	465.0	930.0	1.24
2 x 2.5	10.7	48.0	177.0	8.21	4 x 16	24.6	620.0	1,200.0	1.24
3 x 2.5	11.1	72.0	203.0	8.21	2 x 25	25.9	480.0	1,164.0	0.795
4 x 2.5	12.4	96.0	255.0	8.21	3 x 25	27.6	720.0	1,361.0	0.795
5 x 2.5	13.5	120.0	311.0	8.21	4 x 25	30.7	960.0	1,823.0	0.795
6 x 2.5	14.8	144.0	347.0	8.21	2 x 35	30.0	672.0	1,603.0	0.565
7 x 2.5	14.8	168.0	383.0	8.21	3 x 35	31.8	1010.0	1,861.0	0.565
8 x 2.5	16.0	192.0	454.0	8.21	4 x 35	34.8	1345.0	2,368.0	0.565
10 x 2.5	19.4	240.0	601.0	8.21	4 x 70	50.0	2800.0	4,587.0	0.277

Other dimensions and colours are possible on request