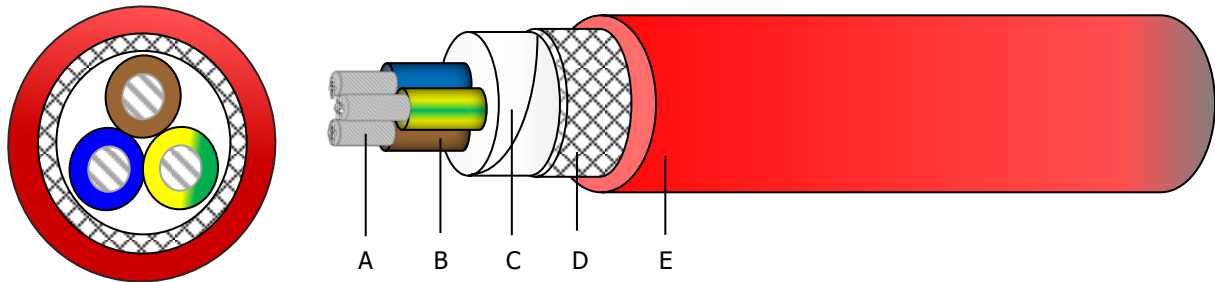


## HEAT RESISTANCE CABLE

## THOMFLEX-SIL (MC)



### 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 yellow/green earth wire from 3 cores
C) Assembly	Required cores shall be assembled with suitable tape
D) Shield	Tinned copper wire braiding
E) 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 <sup>2</sup> )	Diameter of cable Nom. (mm)	Copper weight Approx. (kg/km)	Cable weight Approx. (kg/km)	Conductor resistance at 20 °C (Ω/km)
2 x 0.75	8.5	37.0	117.0	26.7
3 x 0.75	8.9	46.0	125.0	26.7
4 x 0.75	9.4	57.0	150.0	26.7
5 x 0.75	10.1	67.0	170.0	26.7
6 x 0.75	10.9	78.0	190.0	26.7

No. of cores x cross-sectional area (No. x mm <sup>2</sup> )	Diameter of cable Nom. (mm)	Copper weight Approx. (kg/km)	Cable weight Approx. (kg/km)	Conductor resistance at 20 °C (Ω/km)
7 x 0.75	10.9	88.0	205.0	26.7
2 x 1.0	9.0	43.0	131.0	20.0
3 x 1.0	9.4	55.0	144.0	20.0
4 x 1.0	10.1	67.0	170.0	20.0
5 x 1.0	10.8	80.0	195.0	20.0

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## HEAT RESISTANCE CABLE

## THOMFLEX-SIL (MC)

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 <sup>2</sup> )	(mm)	(kg/km)	(kg/km)	(Ω/km)
6 x 1.0	12.0	92.0	235.0	20.0
7 x 1.0	12.0	110.0	250.0	20.0
12 x 1.0	14.8	137.0	337.0	20.0
2 x 1.5	9.8	58.0	165.0	13.7
3 x 1.5	10.2	73.0	180.0	13.7
4 x 1.5	11.4	90.0	220.0	13.7
5 x 1.5	12.5	106.0	265.0	13.7
6 x 1.5	13.4	138.0	321.0	13.7
7 x 1.5	13.4	165.0	343.0	13.7
8 x 1.5	14.3	160.0	362.0	13.7
10 x 1.5	16.6	194.0	435.0	13.7
12 x 1.5	17.3	228.0	514.0	13.7
2 x 2.5	11.5	80.0	226.0	8.21
3 x 2.5	12.0	105.0	250.0	8.21
4 x 2.5	13.2	135.0	305.0	8.21
5 x 2.5	14.3	160.0	360.0	8.21

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 <sup>2</sup> )	(mm)	(kg/km)	(kg/km)	(Ω/km)
6 x 2.5	15.6	188.0	416.0	8.21
7 x 2.5	15.6	212.0	452.0	8.21
10 x 2.5	20.2	301.0	680.0	8.21
12 x 2.5	20.8	355.0	766.0	8.21
3 x 4	13.4	152.0	321.0	5.09
4 x 4	14.7	195.0	400.0	5.09
5 x 4	16.2	238.0	483.0	5.09
7 x 4	17.4	320.0	604.0	5.09
3 x 6	14.9	218.0	421.0	3.39
4 x 6	16.3	280.0	529.0	3.39
5 x 6	17.8	344.0	625.0	3.39
7 x 6	20.0	464.0	836.0	3.39
4 x 10	21.9	460.0	910.0	1.95
5 x 10	23.9	564.0	1,080.0	1.95
4 x 16	25.7	725.0	1,328.0	1.24
4 x 25	32.1	1186.0	2,031.0	0.795
4 x 95	57.0	4170.0	6,350.0	0.210

Other dimensions and colours are possible on request