HIGH TEMPERATURE SILICONE

Low voltage – SILICONE – Single – Flexible core
High mechanical properties

-60°C **+180°C** HIGH MECHANICAL STRENGTH

Plastelec
Division Câbles

Products:
SICE HRM
SICR HRM

Range: ELECSIL®

Low voltage cable 300 / 500 V with flexible core and improved mechanical strength.
This cable is resistant to high temperature up to +180°C (in operating temperature).

Applications: wiring of domestic electrical heating appliances, rotating, lighting…

Halogen free	Yes
Fire	Flame retardant
Mechanical	High mechanical strength
Smoke	Low smoke toxicity and acidity

Composition du câble :

(SICR HRM) Core: Plain copper, Class 5 flexible according to IEC 60228.
(SICE HRM) Core: Tinned copper, Class 5 flexible according to IEC 60228.
Insulation: Silicone elastomer with improved mechanical properties.
Colour: Black, white, blue, red, yellow, green, yellow/green…

Cross section ≥ 6 mm² 600/1000 V (voltage test 3000 V)
Cross section < 6 mm² 300/500 V (voltage test 2000 V)

Temperature rating: -60°C to +180°C
Peak at +230°C

Standards, approvals:

RoHS REACH

Construction: *IEC 60228*
Fire: *C2 according to NF C 32-070, IEC 60332-1*
Smoke: *IEC 60754-1, EN 50267-2-1, IEC 60754-2, EN 50267-2-2*

Cross section *(sq m)*	Composition	Diamètre nominal *(mm)*	Weight approx. *(Kg/Km)*	Max. core resistance at 20°C (Ω/km) Plain copper	Max. core resistance at 20°C (Ω/km) Tinned copper
0,5	16 x 0,20	**2,0**	8	39,0	40,1
0,75	24 x 0,20	**2,2**	11	26,0	26,7
1	32 x 0,20	**2,4**	14	19,5	20,0
1,5	30 x 0,25	**2,8**	19	13,3	13,7
2	40 x 0,25	**3,1**	24	10,0	10,6
2,5	50 x 0,25	**3,3**	30	7,98	8,21
4	56 x 0,30	**4,2**	48	4,95	5,09
6	84 x 0,30	**4,8**	69	3,30	3,39
10	80 x 0,40	**6,2**	116	1,91	1,95