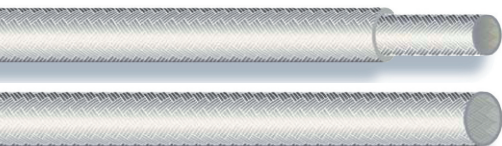


# Heat-Resistance Protection Tube

31-1 and 31-2 -30°C to +450°C

RoHS



- 31-1** : braided fibreglass sleeving, high-temperature treated, not impregnated.  
**31-2** : double fibreglass braid, high-temperature treated, non impregnated.



## Characteristics

### Physical-chemical

- Continuous working temperatures: -30°C to +450°C – Peaks at +500°C.
- Fireproof.
- Very high flexibility.
- Good resistance to usual chemical atmospheres.
- Frays slightly when cut.

### Electrical

- Dielectric strength: about 0,8kV.
- N.B. this sleeving is neither impregnated nor coated, and only insulates by separation.

## Products

- Standard colour: silver grey (natural).

## Options

- Other diameters up to 150 mm : consult us.
- Sleeving supplied in cut lengths : consult us.
- High-temperature treated sleeving, impregnated with silicone varnish : ref. 31C1.
- Fibreglass braided sleeving, not high-temperature treated, round : ref. 32.
- Fibreglass braided sleeving, not high-temperature treated, flat : ref. 33.

## Standards\* - Approvals

- UL 1441 / CSA C22.2 N°198,3 –VW1 approved  
File number : E212701
- IEC 684-1, EN 60684-1 and IEC 684-2.
- IEC 684-3 part 300.
- NF C 93-641.

## Packaging

- Diameter 0,5 to 8 mm : 100 m rolls.
- Diameter 9 to12 mm : 50 m rolls.
- Diameter 14 to16 mm : 25 m rolls.
- Diameter 18 to 45 mm : 100 m spools.

## Applications

- Heating elements (cartridges, bands, etc.) at very high temperature.
- Industrial electrothermal machines (furnaces, ovens, etc.).
- Domestic electrical heating appliances, cooking appliances.
- Sleeving of cable bundles subjected to very high temperatures.



Inner diameter Nominal value** mm	SILIGAINÉ® 31-1		SILIGAINÉ® 31-2	
	Minimum wall thickness mm	Approx. linear weight kg/km	Minimum wall thickness mm	Approx. linear weight kg/km
0,5	0,15	1,50	0,30	3,00
0,8	0,15	1,80	0,30	3,60
1	0,25	1,90	0,50	3,80
1,5	0,25	2,30	0,50	4,60
2	0,25	3,10	0,50	6,20
2,5	0,25	3,90	0,50	7,80
3	0,25	4,80	0,50	9,60
3,5	0,25	5,60	0,50	11,2
4	0,25	7,60	0,50	15,2
4,5	0,25	8,00	0,50	16,0
5	0,30	10,0	0,60	20,0
6	0,30	12,0	0,60	24,0
7	0,30	14,0	0,60	27,0
8	0,30	15,0	0,60	30,0
9	0,30	17,0	0,60	35,0
10	0,45	18,0	0,90	36,0
12	0,45	24,0	0,90	48,0
14	0,45	33,0	0,90	66,0
16	0,55	42,0	1,10	84,0
18	0,55	45,0	1,10	90,0
20	0,55	57,0	1,10	114
25	0,55	60,0	1,10	120
30	0,55	70,0	1,10	140
35	0,55	80,0	1,10	160
40	0,55	105	1,10	210
45	0,55	110	1,10	220
50	0,55	125	1,10	250

\* Standards: our products meet all or some requirements of the above-mentioned standards – consult us.

\*\* The extreme flexibility of this sleeving type makes it impossible to give tolerances on the inner diameter.