

## KY - KYCY Underfloor heating cables



### Characteristics

- Hard-wearing and flexible.
- Mechanical protection and earthing.
- KYCY sold by the metre or as a flex with 5 m of power cable at each end.
- **KY** : series cables, silicon elastomer insulated and PVC sheath.
- **KYCY** : series cables with an identical base to that of KY cables, with copper braided shielding and an extra PVC outer sheath.

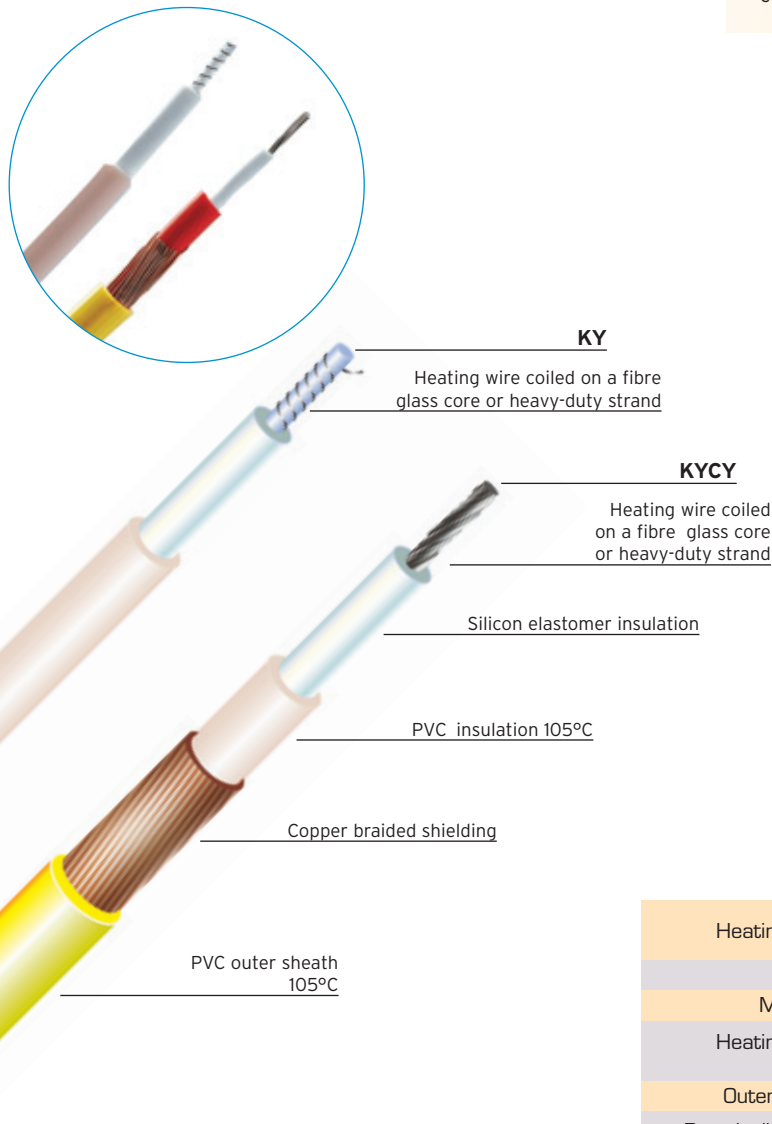
### Applications

KYCY cables are particularly hard-wearing and are used for applications set in concrete slabs to protect against freezing or to maintain a temperature.

The cables must be set in accordance with the local regulations in force: in France these include DTU 65-7 published by AFNOR.

KY cables are for applications in which mechanical resistance is not so critical.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



Min. useable lengths (m)

Resistance [Ω/m]	KY		KYCY	
	230 V	400 V	230 V	400 V
0.058	214	372	191	333
0.078	185	321	165	287
0.14	138	239	123	214
0.17	125	217	112	194
0.24	105	183	94	163
0.34	89	154	79	137
0.47	75	131	67	117
0.65	64	111	57	99
1	52	90	46	80
1.47	43	74	38	66
1.9	38	65	34	58
2.9	31	53	27	47
4	26	45	23	40
8	18.5	32	16.5	28.5
18	12.5	21	11	19

	KY	KYCY
Heating element	Heavy-duty strand or Coiled heating wire Nickel-Copper or Nickel-Chrome	
Diameter	4 to 5 mm	6 to 7 mm
Max. power	20 W/m	25 W/m
Heating element insulation	Silicon elastomer	
Outer insulation	PVC 105°C	
Permissible surface temperature	up to + 80°C	
Min. bend	6 x the diameter	
Tolerance	Resistance: - 5% / + 10%	

### Use

Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.

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