

TEMPERATURE MAINTENANCE SYSTEMS

KY - KYCY Underfloor heating cables



Characteristics

- Hard-wearing and flexible.
- Mechanical protection and earthing.
- KYCY sold by the meter 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.
- Special production on request.
- Ingress protection code : IP54 terminated cable by ourself, KY cable IK07, KYCY cable IK08.

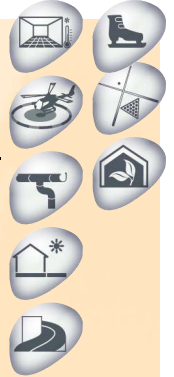
Applications

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.

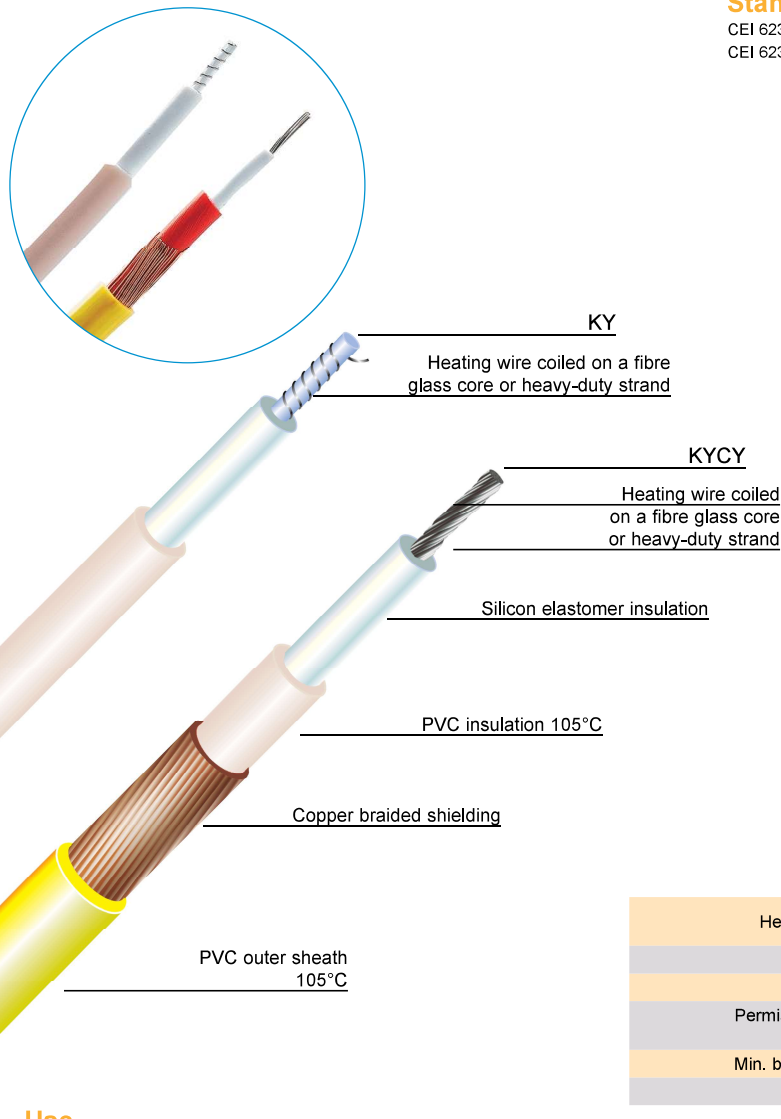
To ensure that these heating elements enjoy a long service life, we recommend using a control device



Standards

CEI 62395-1
CEI 62395-2

NF P 52-302-1 + annex A1
NF P 52-302-2 (DTU 65.7)



Minimum useable lengths (m)

Resistance (Ω/m)	KY		KYCY	
	230 V	400 V	230 V	400 V
0.03	297	516	265	462
0.058	214	372	191	333
0.078	185	321	165	287
0.11	151	270	139	241
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
Permissible surface temperature	up to + 80°C	
Min. bending radius	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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