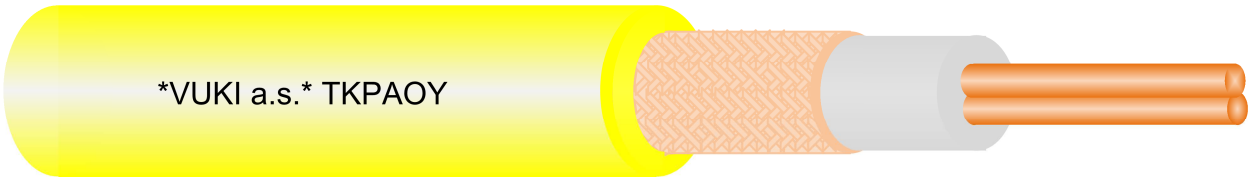
HEATING CIRCIUTS

Heating circuit



Application

Electric underfloor heating (EUH) is a modern alternative to conventional heating methods. It is characterised by almost ideal thermal distribution in a room with convenient, accurate and fast thermal control. Underfloor heating does not disturb interior composition, requires no maintenance and is safe.

Heating circuits are manufactured from single-core heating cables, consisting of resistance core (copper alloy wire), insulation of the permanent temperature resistance up to 130°C, braided copper wire, or tinned copper (CuSn) wires and the sheath of thermal resistant PVC up to 90°C. Heating circuits are manufactured in accurate lengths to ensure safe use of the heating system, without risk of core overheating (up to 80°C). There are installed "cold ends" at both ends of the heating circuits (Cu conductor, 1.0 mm^2 of the very same structure as the heating cables).

Heating circuits - 230V:

Code	Thermal output	Circuit length	DC resistance
TKPAOY	90 W	12 m	49 Ω/m
TKPAOY	150 W	21,1 m	16,7 Ω/m
TKPAOY	200 W	26,3 m	9,98 Ω/m
TKPAOY	250 W	34 m	6,21 Ω/m
TKPAOY	300 W	34,6 m	5,09 Ω/m
TKPAOY	360 W	46 m	3,18 Ω/m
TKPAOY	450 W	47 m	2,5 Ω/m
TKPAOY	550 W	68 m	1,41 Ω/m
TKPAOY	675 W	62 m	1,27 Ω/m
TKPAOY	750 W	89 m	0,8 Ω/m
TKPAOY	900 W	93 m	0,63 Ω/m
TKPAOY	1000 W	103 m	0,51 Ω/m
TKPAOY	1200 W	120 m	0,37 Ω/m
TKPAOY	1350 W	134 m	0,29 Ω/m
TKPAOY	1600 W	166 m	0,2 Ω/m
TKPAOY	2000 W	208 m	0,13 Ω/m
TKPAOY	2500 W	265 m	0,09 Ω/m

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Heating circuits - 400V:

Code	Thermal output	Circuit length	DC resistance
TKPAOY	300 W	53 m	9,98 Ω/m
TKPAOY	400 W	64 m	6,21 Ω/m
TKPAOY	525 W	96 m	3,18 Ω/m
TKPAOY	680 W	94 m	2,5 Ω/m
TKPAOY	1000 W	126 m	1,27 Ω/m
TKPAOY	1160 W	170 m	0,80 Ω/m
TKPAOY	1400 W	180 m	0,63 Ω/m
TKPAOY	1800 W	242 m	0,37 Ω/m
TKPAOY	2000 W	274 m	0,29 Ω/m
TKPAOY	2300 W	350 m	0,20 Ω/m
TKPAOY	3000 W	420 m	0,13 Ω/m
TKPAOY	3750 W	533 m	0,09 Ω/m

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