



Heating cable



ELPIM *VUKI a.s.* EVK-7 0,58 Ω/m *1234 m

Application

Heating cables with stranded cores (EUHC electric underfloor heating cables) of fluoropolymer composites for wiring insulation withstanding temperatures in excess from -190°C to +250°C, with excellent resistance to chemical and environmental impacts. Assembly is suitable for heating of large outdoor areas, including football stadiums. Construction provides mechanical resistance and secured, sealed barrier against small rodents.

Construction

- **Core:** number of wires 6-7, of copper alloys with nickel, manganese, or chromium
- **Insulation:** FEP
- **Shield:** Cu braided
- **Sheath:** thermal resistant PVC
- Cables can be manufactured in a special version with braiding of FeZn wires and outer sheath of thermal resistant PVC. Construction provides increased mechanical resistance and

Technical data

- **Operating temperature range:** from -40°C to +105°C at operation
from -5°C to +50°C at assembly
- **Insulation resistance for 1km cable at 20°C:** 200 M Ω .km

Marking

position symbol		meaning
1.	EVK	electrical underfloor heating cables
2.	6 or 7	number of wires in core
3.	x Ω/m	informative core resistance

Note: VUKI a.s. provides proposals tailored to individual customer's requirements in terms of material use, requested resistance value, or other parameters.

Application table

Number of wires of a stranded core	Informative core resistance	Informative outer diameter of cable without FeZn and outer sheath
pcs	Ohm/m	mm
7	0,160	3,6 - 3,8
7	0,260	3,6 - 3,8
7	0,360	3,6 - 3,8
6	0,420	3,6 - 3,8
7	0,580	3,6 - 3,8
7	0,740	3,6 - 3,8
6	0,950	3,6 - 3,8
7	1,430	3,6 - 3,8
6	2,180	3,6 - 3,8
7	3,100	3,6 - 3,8
7	4,300	3,6 - 3,8
7	7,000	3,6 - 3,8
7	13,300	3,6 - 3,8



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VUKI
SINCE 1950

VUKI a.s., Rybníčná 38, SK - 831 07 Bratislava, Tel.: +421 2 4488 9906, Fax: +421 2 4488 2927
e-mail: vuki@vuki.sk, www.vuki.sk

