Building Biology Products
and services

Low frequency

- shielded extension cable for shielding low-frequency electric and magnetic alternating fields
- very flexible and pliable cable for non-stationary electrical loads
- plastic-coated aluminium strip, two-wire copper 1.0 mm² fine wire
- screen (alternating electric field, 50 Hz mains voltage)
- reduction of the alternating magnetic field through twisting
- protection class 1 - with PE protective wire
- The shielded extension cables VK are very high quality processed cables with Schuko plug and Schuko socket for the reduction of low-frequency electric and magnetic alternating fields.

  With some socket strips and extension cables available on the market, the cross-section of the cable (and thus the current-carrying capacity) is only designed for 1.00 mm², and the permissible limit temperature under load can be exceeded. Prefer connecting cables with a cross-section of 1.5 mm2 so that the fuse can blow in the event of a short circuit.

  Prefer devices with protection class 1. Protection class 1 (or protective grounding) means that all metal parts of a devices / lamps are connected to protective ground. Alternating electric fields are thus shielded and diverted. Products of protection class 1 always have a three-pole earthing contact plug and are thus connected to the protective earth conductor of the building installation (three-pole: current wire, neutral wire, protective earth wire).

Order-No.: 300066 - 41-3425
Short-Desc.: VK 5,0 ws

Order-No.: 301157 - 41-3684
Short-Desc.: VK 5,0 sw

Extension cable

VK 5,0 black & white

Technical data VK 5,0 white

length:	5,0 Metre
colour:	white

Technical data VK 5,0 black

length:	5,0 Metre
colour:	black

Common technical data

insulation cable: shield:	polyvinyl chloride plastic-coated aluminium strip, two-wire Cu fine wire 1.0 mm²
operating voltage: (max.)	250 VAC / 50Hz
load: (max.)	16A acc. to IEC 320-1
reduction of alternating magnetic field:	beat 15 (single cores twisted against each other 15x per metre)
protection class:	1 (with protective wire)
cross-section:	3 x 1.5 mm² + shielding wire fine wire 1.0 mm²
diameter:	Ø 8,4 mm ± 0,2 mm
angle protection-contact plug, socket:	moulded, CEE-Norm 7/VII, DIN 49441

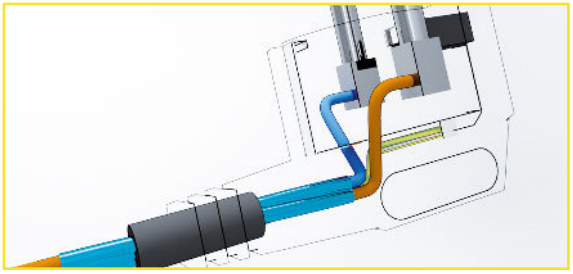
Scope of application

very flexible and bendable cable for non-fixed electrical consumers

extension of lamps, monitors, computers, printers, copiers and other connections of movable equipment

Scope of delivery

cable with Schuko plug and Schuko socket



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