



ELEKTROKABEL is a family-owned company which has been successfully operating on the Polish and European markets for nearly 40 years. Passion is what drives us, which is why we are committed to gaining new experience and investing in technologies and people. We employ more than 200 people in two facilities in Turek.

**We apply state of the art, global technologies.** We pioneer the market in implementing innovative solutions. We implement self-developed technologies and solutions which fulfill the requirements of Polish and European standards.

Our technology park contains multiple production lines supplied by such leading global companies as: Samp, Niehoff, Sket, Windak, Maillefer, Rosendahl, Nextrom, Spirka, Bongard, Wardwell.

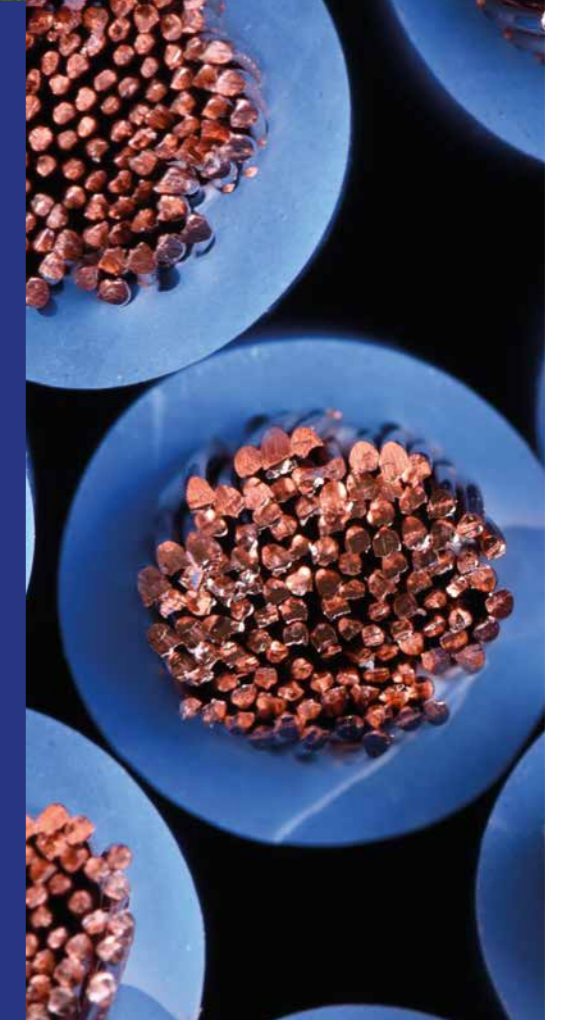
We manufacture cables and wires. Our assortment includes more than 1000 products:

- electrical conductors,
- low-current conductors,
- car bundles,
- control cables,
- specialist PA and sound system cables,
- concentric conductors and TV signal cables,
- elastic conductors for connecting machines and devices to mobile receivers
- buried power cables,
- rubber conductors connected to mobile receivers,
- welding cables,
- portable earthing switch cables.

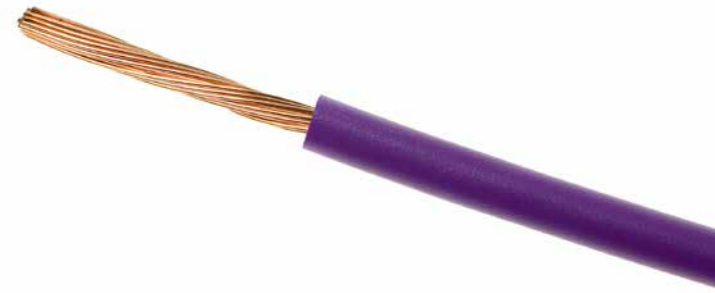
We are continuously investing to be able to manufacture fast, efficiently, effectively and precisely.

Thanks to **our machine park**, we are capable of manufacturing all copper conductor diameters from 0.05 mm to 4.50 mm, which can be used to assemble all cables available on the market, create braidings for concentric wires and control cables, and execute highest-quality lines and the most advanced structures.

We have the fastest lines on the market, which manufacture halogen-free and fireproof cables. We manufacture the plastics and rubber we use in our cables. We process 6000 tons of copper and 8000 tons of plastics every year.



# LgY (H05VK) 300/500 V



Fixed installation, non-sheathed, flexible single core, universal, in PVC insulation.

**Recommended application:** for fixed installation, safe connections inside devices and inside or outside light fixtures, suitable for routing in surface- or flush-mounted installation conduits and pipes, connections to signaling or control circuits.

<b>Standard</b>	PN-EN 50525-2-31:2011, PN-87/E-90054
<b>Flame propagation</b>	(CPR) Eca
<b>Rated voltage</b>	300/500 V
<b>Number and rated conductor cross-section</b>	1 x 0,35 ÷ 1 mm <sup>2</sup>

## Insulation color

Conductors of any color can be manufactured at individual request.



<b>Conductor</b>	copper, multi-strand, flexible, class 5, as per PN-EN 60228:2007
<b>Insulation</b>	All-purpose insulating PVC
<b>Packing</b>	100 m long discs and other forms requested by the customer

## Acceptable operating temperature

as per PN-EN 50565-1:2014-11, PN-EN 50565-2:2014-11

- on conductor surface: max 70°C
- short-circuit conductor temperature: max 160°C
- transport, assembly, handling: min -5°C
- storage: max 40°C

Quantity and rated conductor cross-section	Highest rated wire diameter in a twine	Rated insulation thickness	Approximate outer diameter	Max conductor resistance at 20°C	Max insulation resistance at 70°C	Approx. cable weight
pcs. x mm <sup>2</sup>	mm	mm	mm	Ω/km	mΩ x km	kg/km
<b>300/500 V</b>						
1 x 0,35	0,21	0,6	2,4	55,7	0,014	7
1 x 0,5	0,21	0,6	2,5	39,0	0,012	9
1 x 0,75	0,21	0,6	2,7	26,0	0,011	12
1 x 1,0	0,21	0,6	2,9	19,5	0,010	14