PRODUCT DATASHEET

LGY Wires H05V-K / H07V-K

Application

These wires are intended for making fixed and mobile connections in telecommunication devices, computer systems, measurement technology, and industrial and automotive electronics installations.

Manufacturing

- Flexible, multi-stranded conductors twisted from soft copper wires
- Conductor insulation made of insulating PVC (lead-free, fully compliant with RoHS)
- Insulation colours (not standardized) as per customer request, according to PN-91/T-90206

Technical Data

- Minimum insulation resistance:	200 MΩ/km
- Operating voltage:	150V / 750V
- Voltage test:	1000 V AC
- Operating temperature range	
- Fixed installations:	-10 to +80°C
- Mobile installations:	-5 to +80°C
- Flammability:	does not spread flame
- Flame tests:	PN-EN 60332-1-2; IEC 60332-1

The wires meet the requirements of the Harmonized Low Voltage Directive 2006/95/EC, as well as Directive 2011/65/EU of the European Parliament of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), including all amendments up to RoHS III 2015/863.

Conductor cross-section area and maximum resistance

0.12 mm²	0.22 mm²	0.35 mm²	0.5 mm²	0.75 mm²	1 mm²	1.5 mm²	2.5 mm²	4 mm²
155 Ω/km	89.3 Ω/km	52 Ω/km	37.1 Ω/km	24.7 Ω/km	18.5 Ω/km	12.7 Ω/km	7.6 Ω/km	4.95 Ω/km

Product Specifications

Product Symbol	Max Voltage / Current (V/A)	Conductor Manufacturing	Outer Diameter (mm)	Cable Weight (kg/km)
LGY 0.12 H05V-K	150 / 1.2	6 x 0.16	1.2	2.4
LGY 0.22 H05V-K	150 / 2.2	11 x 0.16	1.3	3.4
LGY 0.35 H05V-K	500 / 3.5	17 x 0.16	1.4	4.7
LGY 0.5 H05V-K	500 / 5	16 x 0.20	1.85	6.3
LGY 0.75 H05V-K	500 / 7.5	24 x 0.20	2.1	9
LGY 1 H05V-K	500 / 10	32 x 0.20	2.5	11.8
LGY 1.5 H07V-K	750 / 15	48 x 0.20	2.8	16
LGY 2.5 H07V-K	750 / 25	80 x 0.20	3.3	26.3
LGY 4 H07V-K	750 / 40	80 x 0.252	4.2	42.4

Cables with different conductor constructions and outer dimensions are available upon request. We reserve the right to modify the above specifications.

Copper Wires Poland
P.P.H.U BARWIK
https://www.copperwires-poland.com

Kozerki ul. Brazylijska 17B
05-825 Grodzisk Mazowiecki