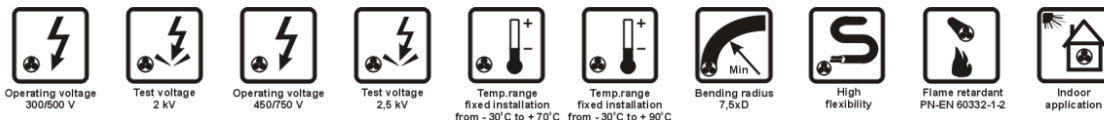


LgY 500 V; LgY 750 V
LgYc 500 V; LgYc 750 V

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SINGLE WIRES



APPLICATIONS

LgY and **LgYc** are power flexible single wires intended for interconnection in electrical equipment. Wires can be applied in control cabinets, electronic equipment and others. They are also used in lighting devices and systems.

The wires are suitable for indoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - **LgY** wires,
- heat resistant PVC insulation (PVC 90°C) - **LgYc** wires,
- identification colour code in accordance with PN-87/E-90050.

AVAILABLE UPON REQUEST

LgYc 105°C - wires with heat resistant PVC insulation up to 105°C.

LgY-LSF - wires with special LSF PVC insulation. LSF PVC is self-extinguishing and flame retardant with low emission of toxic and corrosive fumes.

H05V-K and **H07V-K** - wires made of according to PN-EN-50525-2-31 standard.

H05V2-K and **H07V2-K** - wires with heat resistant PVC insulation made of according to PN-EN-50525-2-31 standard.

LgY 500 V; LgY 750 V LgYc 500 V; LgYc 750 V

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CHARACTERISTICS

Conductor cross-section	mm ²	0.35	0.50	0.75	1.0	1.5	2.5	4
DC conductor resistance at 20°C, maximum	Ω/km	55.7	39.0	26.0	19.51	13.3	7.98	4.95
Insulation resistance for PVC at 70°C and for heat resistant PVC at 95°C, minimum LgY 500, LgYc 500 LgY 750, LgYc 750	MΩ·km	0.014 0.016	0.012 0.015	0.011 0.013	0.010 0.012	0.0085 0.010	0.0071 0.0089	0.0069 0.0082

Operating voltage	300/500 V, 450/750 V	Operating temperature range	LgY LgYc	from - 30 to + 70°C from - 30 to + 90°C
Voltage test	wires 500 V wires 750 V	2000 V rms 2500 V rms	Minimum bending radius	7.5 x wire diameter
			Wire combustibility	flame retardant
			Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
			Reference standards	PN-87/E-90050, PN-87/E-90054

CE = the wire meets requirements of the low voltage directive 2014/35/EU

Product No.	Conductor cross-section	Wire outer diameter (appr.)	Copper index	Wire weight (appr.)
	mm ²	mm	kg/km	kg/km
LgY 500 V				
0028 001	0,35	2.00	3.36	7.0
0028 003	0,50	2.14	4.8	9.0
0028 005	0,75	2.40	7.2	12.0
0028 007	1,00	2.54	9.6	14.5
0028 009	1,50	2.80	14.4	20.0
0028 012	2,50	3.20	24.0	30.0
LgY 750 V				
0029 001	0,35	2.40	3.36	9.0
0029 003	0,50	2.54	4.8	11.0
0029 005	0,75	2.80	7.2	14.1
0029 007	1,00	2.94	9.6	17.0
0029 010	1,50	3.20	14.4	22.4
0029 012	2,50	3.60	24.0	32.6

Product No.	Conductor cross-section	Wire outer diameter (appr.)	Copper index	Wire weight (appr.)
	mm ²	mm	kg/km	kg/km
LgYc 500 V				
0031 001	0,35	2.00	3.36	7.0
0031 002	0,50	2.14	4.8	9.0
0031 003	0,75	2.40	7.2	12.0
0031 004	1,00	2.54	9.6	14.5
0031 005	1,50	2.80	14.4	20.0
0031 006	2,50	3.20	24.0	30.0
LgYc 750 V				
0032 001	0,35	2.40	3.36	9.0
0032 002	0,50	2.54	4.8	11.0
0032 003	0,75	2.80	7.2	14.1
0032 004	1,00	2.94	9.6	17.0
0032 006	1,50	3.20	14.4	22.4
0032 008	2,50	3.60	24.0	32.6
0032 009	4	4.6	38.4	53.9

Other conductor cross-sections available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.