

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

### SINGLE WIRES



### APPLICATIONS

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

### 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 – wires LgY,
- heat resistant PVC insulation – wires LgYc.

### CHARACTERISTICS

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

Operating voltage U <sub>0</sub> /U	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	12,5 x cable diameter
			Cable combustibility	flame retardant
			Combustibility tests	PN-EN 60332-1-2 and IEC 60332-1
			Reference standards	PN-87/E-90050 and PN-87/E-90054

CE = the cable meets requirements of the low voltage directive 2006/95/WE

Product	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
LgY 500 V	0.35	2.00	3.36	7.0
LgY 500 V	0.50	2.14	4.8	9.0
LgY 500 V	0.75	2.40	7.2	12.0
LgY 500 V	1.00	2.54	9.6	14.5
LgY 500 V	1.50	2.80	14.4	20.0
LgY 500 V	2.50	3.20	24.0	30.0
LgY 750 V	0.35	2.40	3.36	9.0
LgY 750 V	0.50	2.54	4.8	11.0
LgY 750 V	0.75	2.80	7.2	14.1
LgY 750 V	1.00	2.94	9.6	17.0
LgY 750 V	1.50	3.20	14.4	22.4
LgY 750 V	2.50	3.60	24.0	32.6

Product	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
LgYc 500 V	0.35	2.00	3.36	7.0
LgYc 500 V	0.50	2.14	4.8	9.0
LgYc 500 V	0.75	2.40	7.2	12.0
LgYc 500 V	1.00	2.54	9.6	14.5
LgYc 500 V	1.50	2.80	14.4	20.0
LgYc 500 V	2.50	3.20	24.0	30.0
LgYc 750 V	0.35	2.40	3.36	9.0
LgYc 750 V	0.50	2.54	4.8	11.0
LgYc 750 V	0.75	2.80	7.2	14.1
LgYc 750 V	1.00	2.94	9.6	17.0
LgYc 750 V	1.50	3.20	14.4	22.4
LgYc 750 V	2.50	3.60	24.0	32.6

Other cross-sections are available upon request.