

Li91Y-Nr 0,6/1 kV

POWER SINGLE WIRES FOR WIDE RANGE OF TEMPERATURE +125 ÷ -60°C



APPLICATIONS

Li91Y-Nr are power 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.

Good flexibility of wire in wide range of temperature is achieved by thermoplastic elastomer (TPE) insulation.

Wires are flame retardant as well as UV radiation and oil resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- thermoplastic elastomer (TPE) insulation,
- identification colour code - black and white conductor number printed on it,
- in case of multiwire cables, insulated conductors twisted into pairs, triads or quads.

CHARACTERISTICS

Conductor cross-section	mm ²	0.50	0.75	1.0	1.5	2.5	4.0	6.0
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26	19.5	13.3	7.98	4.95	3.3

Operating voltage U ₀ /U	0.6/1 kV	Operating temperature range	from - 60 to + 125°C
Voltage test	3500 V rms	Minimum bending radius	7.5 x wire diameter
Insulation resistance, minimum	20 MΩ·km	Wire combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	DT-84

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
0722 011	1 x 2,5	3.6	24.0	33.0
0722 007	1 x 4,0	4.6	38.4	53.0
0722 008	1 x 6,0	5.2	57.6	73.0

Product No.	Conductor cross-section	Wire outer diameter (appr.)	Copper index	Wire weight (appr.)
	mm ²	mm	kg/km	kg/km
0722 001	2 x 2,5	7.2	48.0	66.0
0722 005	2 x 4,0	9.2	76.8	106.0
0722 002	2 x 6,0	10.4	115.0	148.0

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