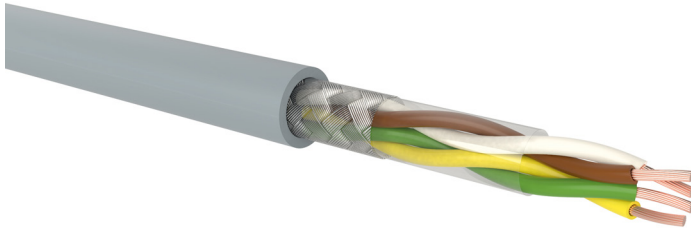


## LiYCY-P

Electronic control cable, screened

### DESIGN



- 1 | Copper conductor, fine wire
- 2 | Core insulation (PVC), cores pair stranded, pairs stranded in layers
- 3 | Taping (plastic foil)
- 4 | Braided screen (copper wires, tinned)
- 5 | Sheath (PVC grey RAL 7032)

### APPLICATION

In the electronics of measuring and control devices for the transmission of signals in the range of milliamperes, protected against crosstalks between the circuits and against external electrical influences.

### TECHNICAL DATA



**Standard:**  
adapted to DIN VDE 0812



**Operating voltage:**  
max. 350 V<sub>ss</sub> (0.14 mm)  
max. 500 V<sub>ss</sub> (≥ 0.25 mm)



**Test voltage:**  
800 V<sub>eff</sub> (0.14 mm) / 50 Hz  
1200 V<sub>eff</sub> (≥ 0.25 mm) / 50 Hz



**Temperature range:**  
laying temperature: min. -5 °C  
fixed: -30 °C up to 70 °C  
moved: -5 °C up to 70 °C  
conductor temperature: max. 70 °C



**Bending radius (min.):**  
4 x Ø of wire



**Core identification:**  
DIN 47100



**Fire properties:**  
EN 60332-1-2: flame retardant  
CPR classification: E<sub>ca</sub>

### ELECTRICAL PARAMETERS

	(mm)	0.14	0.25	0.34	0.5	0.75	1
Conductor diameter	(mm)	0.14	0.25	0.34	0.5	0.75	1
Conductor resistance, max. at 20 °C	(Ω/km)	148	79.9	75.4	39	26	19.5
Insulation resistance, min. at 20 °C	(MΩ.km)	200	200	200	200	200	200
Mutual capacitance (approx. value), at 800 Hz	(nF/km)	100	100	100	150	150	150

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>LiYCY-P</b>			
2 x 2 x 0.14	5.0	44	1000 Sp
3 x 2 x 0.14	5.6	53	1000 Sp
4 x 2 x 0.14	6.1	60	1000 Sp
5 x 2 x 0.14	6.5	80	1000 Sp
6 x 2 x 0.14	7.2	85	1000 Sp
7 x 2 x 0.14	6.6	74	1000 Sp
8 x 2 x 0.14	8.3	115	1000 Sp
10 x 2 x 0.14	9.0	130	1000 Sp
12 x 2 x 0.14	9.4	160	1000 Sp
14 x 2 x 0.14	11.0	180	1000 Sp
16 x 2 x 0.14	11.3	220	1000 Sp
18 x 2 x 0.14	11.9	240	1000 Sp

## LiYCY-P

Electronic control cable, screened

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>LiYCY-P</b>			
20 x 2 x 0.14	12.2	260	1000 Sp
2 x 2 x 0.25	5.5	54	1000 Sp
3 x 2 x 0.25	6.2	66	1000 Sp
4 x 2 x 0.25	6.5	81	1000 Sp
5 x 2 x 0.25	9.4	98	1000 Sp
6 x 2 x 0.25	7.2	115	1000 Sp
7 x 2 x 0.25	8.7	112	1000 Sp
8 x 2 x 0.25	10.5	130	1000 Sp
10 x 2 x 0.25	11.8	158	1000 Sp
12 x 2 x 0.25	11.0	190	1000 Sp
14 x 2 x 0.25	11.6	171	1000 Sp
16 x 2 x 0.25	15.1	238	1000 Sp
25 x 2 x 0.25	19.4	344	1000 Sp
2 x 2 x 0.34	6.3	74	1000 Sp
3 x 2 x 0.34	8.0	98	1000 Sp
4 x 2 x 0.34	8.3	114	1000 Sp
12 x 2 x 0.34	14.3	272	1000 Sp
2 x 2 x 0.5	7.1	93	1000 Sp
3 x 2 x 0.5	7.9	129	1000 Sp
4 x 2 x 0.5	8.9	146	1000 Sp
5 x 2 x 0.5	10.2	171	1000 Sp
6 x 2 x 0.5	10.8	198	1000 Sp
8 x 2 x 0.5	11.7	259	1000 Sp
12 x 2 x 0.5	13.8	354	1000 Sp
16 x 2 x 0.5	17.3	459	1000 Sp
2 x 2 x 0.75	7.7	106	1000 Sp
3 x 2 x 0.75	8.6	140	1000 Sp
4 x 2 x 0.75	9.6	179	1000 Sp
5 x 2 x 0.75	11.8	208	1000 Sp
6 x 2 x 0.75	11.9	246	1000 Sp
12 x 2 x 0.75	15.8	390	1000 Sp
4 x 2 x 1	10.4	226	1000 Sp

Technical changes reserved. All figures are therefore without guarantee.

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