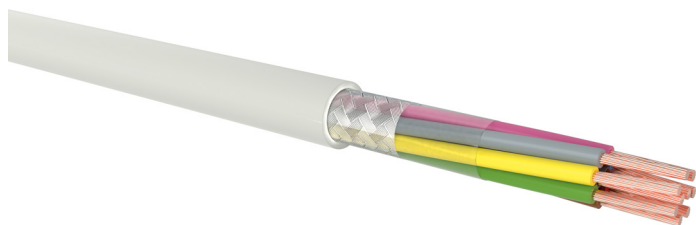


LiYCY

Electronic control cable, screened

DESIGN



- 1 | Copper conductor, fine wire
- 2 | Core insulation (PVC), cores stranded in layers
- 3 | Taping (plastic foil)
- 4 | Braided screen (copper wires, tinned)
- 5 | Sheath (PVC grey RAL 7001)

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_{ss} (0.14 mm)
max. 500 V_{ss} (≥ 0.25 mm)



Test voltage:
800 V_{eff} (0.14 mm) / 50 Hz
1200 V_{eff} (≥ 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_{ca}

ELECTRICAL PARAMETERS

	(mm)	0.14	0.25	0.34	0.5	0.75	1	1.5	2.5
Conductor diameter	(mm)	0.14	0.25	0.34	0.5	0.75	1	1.5	2.5
Conductor resistance, max. at 20 °C	(Ω/km)	148	79.9	75.4	39	26	19.5	13.3	
Insulation resistance, min. at 20 °C	(MΩ.km)	200	200	200	200	200	200	200	
Mutual capacitance (approx. value), at 800 Hz	(nF/km)	120	120	120	150	150	150	150	

Number of cores x conductor diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
LiYCY			
2 x 0.14	3.5	20	1000 Sp
3 x 0.14	4.0	40	1000 Sp
4 x 0.14	4.1	43	1000 Sp
5 x 0.14	4.8	47	1000 Sp
6 x 0.14	4.9	52	1000 Sp
7 x 0.14	5.0	54	1000 Sp
8 x 0.14	5.3	58	1000 Sp
10 x 0.14	6.4	76	1000 Sp
12 x 0.14	6.7	81	1000 Sp
14 x 0.14	6.9	89	1000 Sp
16 x 0.14	7.3	97	1000 Sp
20 x 0.14	7.8	116	1000 Sp

LiYCY

Electronic control cable, screened

Number of cores x conductor diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
LiYCY			
24 x 0.14	9.1	158	1000 Sp
25 x 0.14	9.2	165	1000 Sp
32 x 0.14	10.0	198	1000 Sp
36 x 0.14	10.2	231	1000 Sp
40 x 0.14	10.5	252	1000 Sp
50 x 0.14	12.0	327	1000 Sp
2 x 0.25	3.9	28	1000 Sp
3 x 0.25	4.3	34	1000 Sp
4 x 0.25	4.5	40	1000 Sp
5 x 0.25	5.1	47	1000 Sp
6 x 0.25	5.5	54	1000 Sp
7 x 0.25	5.9	61	1000 Sp
8 x 0.25	5.9	66	1000 Sp
10 x 0.25	6.4	80	1000 Sp
12 x 0.25	6.5	91	1000 Sp
14 x 0.25	8.0	120	1000 Sp
16 x 0.25	9.6	135	1000 Sp
18 x 0.25	10.0	150	1000 Sp
20 x 0.25	10.2	157	1000 Sp
24 x 0.25	12.1	212	1000 Sp
25 x 0.25	12.1	220	1000 Sp
32 x 0.25	13.0	256	1000 Sp
40 x 0.25	14.1	302	1000 Sp
50 x 0.25	16.0	461	1000 Sp
2 x 0.34	4.6	31	1000 Sp
3 x 0.34	4.7	38	1000 Sp
4 x 0.34	5.2	46	1000 Sp
5 x 0.34	5.6	54	1000 Sp
6 x 0.34	5.8	62	1000 Sp
7 x 0.34	5.9	70	1000 Sp
8 x 0.34	6.2	76	1000 Sp
10 x 0.34	8.9	114	1000 Sp
12 x 0.34	7.2	128	1000 Sp
14 x 0.34	9.5	141	1000 Sp
16 x 0.34	10.0	155	1000 Sp
18 x 0.34	10.7	186	1000 Sp
20 x 0.34	10.9	195	1000 Sp
24 x 0.34	13.0	244	1000 Sp
36 x 0.34	14.3	325	1000 Sp
2 x 0.5	5.0	36	1000 Sp
3 x 0.5	5.4	45	1000 Sp

LiYCY

Electronic control cable, screened

Number of cores x conductor diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
LiYCY			
4 x 0.5	5.9	54	1000 Sp
5 x 0.5	6.6	67	1000 Sp
6 x 0.5	7.1	76	1000 Sp
7 x 0.5	7.2	84	1000 Sp
8 x 0.5	7.6	107	1000 Sp
10 x 0.5	8.8	134	1000 Sp
12 x 0.5	8.9	155	1000 Sp
16 x 0.5	10.7	186	1000 Sp
18 x 0.5	11.0	217	1000 Sp
20 x 0.5	11.6	239	1000 Sp
24 x 0.5	13.3	300	1000 Sp
2 x 0.75	5.6	62	1000 Sp
3 x 0.75	6.0	73	1000 Sp
4 x 0.75	6.6	92	1000 Sp
5 x 0.75	7.0	110	1000 Sp
6 x 0.75	7.7	128	1000 Sp
7 x 0.75	7.8	145	1000 Sp
8 x 0.75	9.4	151	1000 Sp
10 x 0.75	9.8	182	1000 Sp
12 x 0.75	9.9	216	1000 Sp
2 x 1	6.0	74	1000 Sp
3 x 1	6.4	89	1000 Sp
4 x 1	6.9	107	1000 Sp
5 x 1	7.5	132	1000 Sp
7 x 1	8.3	158	1000 Sp
12 x 1	10.4	254	1000 Sp
2 x 1.5	6.6	86	1000 Sp
3 x 1.5	7.0	107	1000 Sp
4 x 1.5	7.9	129	1000 Sp
5 x 1.5	8.9	150	1000 Sp
2 x 2.5	8.5	140	1000 Sp

Technical changes reserved. All figures are therefore without guarantee.

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