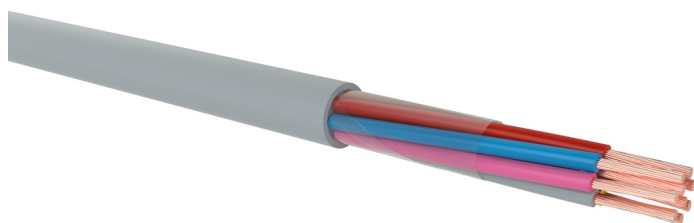


LiYY

Electronic control cable, unshielded

DESIGN



- 1 | Copper conductor, fine wire
- 2 | Core insulation (PVC), cores stranded in layers
- 3 | Inner covering (plastic tape)
- 4 | Sheath (PVC grey RAL 7001)

APPLICATION

In the electronics of measuring and control devices for the transmission of signals in the range of milliamperes.

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 cable



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
Conductor diameter	(mm)	0.14	0.25	0.34	0.5	0.75
Conductor resistance, max. at 20 °C	(Ω/km)	148	79.9	57.4	39	26
Insulation resistance, min. at 20 °C	(MΩ.km)	200	200	200	200	200
Mutual capacitance (approx. value), at 800 Hz	(nF/km)	120	120	120	150	150

Number of cores x conductor diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
LiYY			
2 x 0.14	3.2	12	1000 Sp
3 x 0.14	3.4	15	1000 Sp
4 x 0.14	3.6	17	1000 Sp
5 x 0.14	3.9	22	1000 Sp
6 x 0.14	4.2	25	1000 Sp
7 x 0.14	4.3	26	1000 Sp
8 x 0.14	4.5	29	1000 Sp
10 x 0.14	5.2	35	1000 Sp
12 x 0.14	5.6	43	1000 Sp
14 x 0.14	5.8	48	1000 Sp
16 x 0.14	6.1	52	1000 Sp
18 x 0.14	6.9	65	1000 Sp

LiYY

Electronic control cable, unscreened

Number of cores x conductor diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
LiYY			
21 x 0.14	6.9	79	1000 Sp
24 x 0.14	7.6	89	1000 Sp
25 x 0.14	7.7	91	1000 Sp
27 x 0.14	7.8	106	1000 Sp
30 x 0.14	8.8	106	1000 Sp
32 x 0.14	8.3	112	1000 Sp
36 x 0.14	8.6	120	1000 Sp
2 x 0.25	3.8	25	1000 Sp
3 x 0.25	4.0	29	1000 Sp
5 x 0.25	4.7	38	1000 Sp
6 x 0.25	5.1	42	1000 Sp
8 x 0.25	5.7	54	1000 Sp
10 x 0.25	6.8	65	1000 Sp
12 x 0.25	7.0	75	1000 Sp
14 x 0.25	7.3	89	1000 Sp
16 x 0.25	7.7	95	1000 Sp
18 x 0.25	8.1	99	1000 Sp
20 x 0.25	8.5	115	1000 Sp
24 x 0.25	9.4	143	1000 Sp
30 x 0.25	10.3	172	1000 Sp
36 x 0.25	11.1	196	1000 Sp
2 x 0.34	4.2	28	1000 Sp
3 x 0.34	4.4	30	1000 Sp
4 x 0.34	4.8	40	1000 Sp
5 x 0.34	5.5	44	1000 Sp
6 x 0.34	5.9	53	1000 Sp
7 x 0.34	5.9	60	1000 Sp
8 x 0.34	6.4	65	1000 Sp
10 x 0.34	7.6	77	1000 Sp
12 x 0.34	7.8	97	1000 Sp
14 x 0.34	9.1	135	1000 Sp
16 x 0.34	8.7	114	1000 Sp
18 x 0.34	9.1	135	1000 Sp
21 x 0.34	10.3	151	1000 Sp
24 x 0.34	11.0	171	1000 Sp
30 x 0.34	11.6	207	1000 Sp
32 x 0.34	12.1	223	1000 Sp
36 x 0.34	12.5	244	1000 Sp
2 x 0.5	4.7	25	1000 Sp
3 x 0.5	5.0	35	1000 Sp
4 x 0.5	5.6	42	1000 Sp

LiYY

Electronic control cable, unscreened

Number of cores x conductor diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
LiYY			
5 x 0.5	6.1	49	1000 Sp
6 x 0.5	6.9	65	1000 Sp
7 x 0.5	6.9	73	1000 Sp
8 x 0.5	7.4	83	1000 Sp
10 x 0.5	8.6	120	1000 Sp
12 x 0.5	9.0	130	1000 Sp
16 x 0.5	10.2	152	1000 Sp
18 x 0.5	10.2	159	1000 Sp
24 x 0.5	12.5	250	1000 Sp
30 x 0.5	13.5	267	1000 Sp
36 x 0.5	14.5	315	1000 Sp
2 x 0.75	5.1	44	1000 Sp
3 x 0.75	5.6	64	1000 Sp
4 x 0.75	6.1	66	1000 Sp
5 x 0.75	6.9	77	1000 Sp
7 x 0.75	7.5	95	1000 Sp
8 x 0.75	8.0	122	1000 Sp
12 x 0.75	10.1	188	1000 Sp

Technical changes reserved. All figures are therefore without guarantee.

30.8.2022, 09:41