



# LiYY

## Electronic control cable, unshielded

CONTROL AND ELECTRONICS CABLES

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



**Test Voltage**  
800 V<sub>eff</sub>



**Rated Voltage**  
max. 350 V<sub>ss</sub> (0,14 mm)  
max. 500 V<sub>ss</sub> (≥ 0,25 mm)



**Bending radius (min.)**  
4 x Ø der Leitung



**Fire properties**  
EN 60332-1-2: flame retardant



**Core identification**  
DIN 47100



**Temperature range**  
Laying temperature: min. -5°C  
Conductor temperature: max. 70°C  
Fixed installation: -30°C up to 70°C  
Flexible use: -5°C up to 70°C

### DESIGN



## Electrical parameters

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	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 0.14	3.2	12	1000 Sp
2 x 0.25	3.8	25	1000 Sp
2 x 0.34	4.2	28	1000 Sp
2 x 0.5	4.7	25	1000 Sp
2 x 0.75	5.1	44	1000 Sp
3 x 0.14	3.4	15	1000 Sp
3 x 0.25	4.0	29	1000 Sp
3 x 0.34	4.4	30	1000 Sp
3 x 0.5	5.0	35	1000 Sp
3 x 0.75	5.6	64	1000 Sp
4 x 0.14	3.6	17	1000 Sp
4 x 0.25	4.3	31	1000 Sp
4 x 0.34	4.8	40	1000 Sp
4 x 0.5	5.6	42	1000 Sp
4 x 0.75	6.1	66	1000 Sp
5 x 0.14	3.9	22	1000 Sp
5 x 0.25	4.7	38	1000 Sp
5 x 0.34	5.5	44	1000 Sp
5 x 0.5	6.1	49	1000 Sp
5 x 0.75	6.9	77	1000 Sp
6 x 0.14	4.2	25	1000 Sp
6 x 0.25	5.1	42	1000 Sp
6 x 0.34	5.9	53	1000 Sp
6 x 0.5	6.9	65	1000 Sp
7 x 0.14	4.3	26	1000 Sp
7 x 0.34	5.9	60	1000 Sp
7 x 0.5	6.9	73	1000 Sp
7 x 0.75	7.5	95	1000 Sp
8 x 0.14	4.5	29	1000 Sp
8 x 0.25	5.7	54	1000 Sp
8 x 0.34	6.4	65	1000 Sp
8 x 0.5	7.4	83	1000 Sp
8 x 0.75	8.0	122	1000 Sp
10 x 0.14	5.2	35	1000 Sp
10 x 0.25	6.8	65	1000 Sp
10 x 0.34	7.6	77	1000 Sp
10 x 0.5	8.6	120	1000 Sp
12 x 0.14	5.6	43	1000 Sp
12 x 0.25	7.0	75	1000 Sp
12 x 0.34	7.8	97	1000 Sp
12 x 0.5	9.0	130	1000 Sp
12 x 0.75	10.1	188	1000 Sp
14 x 0.14	5.8	48	1000 Sp
14 x 0.25	7.3	89	1000 Sp



Number of cores x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
14 x 0.34	8.7	114	1000 Sp
16 x 0.14	6.1	52	1000 Sp
16 x 0.25	7.7	95	1000 Sp
16 x 0.34	9.1	135	1000 Sp
16 x 0.5	10.2	152	1000 Sp
18 x 0.14	6.9	65	1000 Sp
18 x 0.25	8.1	99	1000 Sp
18 x 0.34	9.1	135	1000 Sp
18 x 0.5	10.2	159	1000 Sp
20 x 0.25	8.5	115	1000 Sp
21 x 0.14	6.9	79	1000 Sp
21 x 0.34	10.3	151	1000 Sp
24 x 0.14	7.6	89	1000 Sp
24 x 0.25	9.4	143	1000 Sp
24 x 0.34	11.0	171	1000 Sp
24 x 0.5	12.5	250	1000 Sp
25 x 0.14	7.7	91	1000 Sp
27 x 0.14	7.8	106	1000 Sp
30 x 0.14	8.3	106	1000 Sp
30 x 0.25	10.3	172	1000 Sp
30 x 0.34	11.6	207	1000 Sp
30 x 0.5	13.5	267	1000 Sp
32 x 0.14	8.6	112	1000 Sp
32 x 0.34	12.1	223	1000 Sp
36 x 0.14	8.8	120	1000 Sp
36 x 0.25	11.1	196	1000 Sp
36 x 0.34	12.5	244	1000 Sp
36 x 0.5	14.5	315	1000 Sp

**CONTACT PERSON**

**Dogan Özcan**  
 Head of Technical Department  
 +43 (0) 1 70170-154  
 dogan.oezcan@skw.at

