We Make Modern
Life Possible.



CONTROL AND ELECTRONIC CABLES

LiYY

Electronic control cable, unscreened

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 Veff

Rated Voltage
max. 350 Vss (0,14 mm)
max. 500 Vss (≥ 0,25 mm)

Bending radius (min.)
4 x Ø der Leitung

Fire properties
EN 60332-1-2: flame retardant and self-extinguishing

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	3.2	12	1000 SP
2	3.8	25	1000 SP
2	4.2	28	1000 SP
2	4.7	25	1000 SP
2	5.1	44	1000 SP
3	3.4	15	1000 SP
3	4.0	29	1000 SP
3	4.4	30	1000 SP
3	5.0	35	1000 SP
3	5.6	64	1000 SP
4	3.6	17	1000 SP
4	4.3	31	1000 SP
4	4.8	40	1000 SP
4	5.6	42	1000 SP
4	6.1	66	1000 SP
5	3.9	22	1000 SP
5	4.7	38	1000 SP
5	5.5	44	1000 SP
5	6.1	49	1000 SP
5	6.9	77	1000 SP
6	4.2	25	1000 SP
6	5.1	42	1000 SP
6	5.9	53	1000 SP
6	6.9	65	1000 SP
7	4.3	26	1000 SP
7	5.9	60	1000 SP
7	6.9	73	1000 SP
7	7.5	95	1000 SP
8	4.5	29	1000 SP
8	5.7	54	1000 SP
8	6.4	65	1000 SP
8	7.4	83	1000 SP
8	8.0	122	1000 SP
10	5.2	35	1000 SP
10	6.8	65	1000 SP
10	7.6	77	1000 SP
10	8.6	120	1000 SP
12	5.6	43	1000 SP

Number of cores x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
12	7.0	75	1000 SP
12	7.8	97	1000 SP
12	9.0	130	1000 SP
12	10.1	188	1000 SP
14	5.8	48	1000 SP
14	7.3	89	1000 SP
14	8.7	114	1000 SP
16	6.1	52	1000 SP
16	7.7	95	1000 SP
16	9.1	135	1000 SP
16	10.2	152	1000 SP
18	6.9	65	1000 SP
18	8.1	99	1000 SP
18	9.1	135	1000 SP
18	10.2	159	1000 SP
20	8.5	115	1000 SP
21	6.9	79	1000 SP
21	10.3	151	1000 SP
24	7.6	89	1000 SP
24	9.4	143	1000 SP
24	11.0	171	1000 SP
24	12.5	250	1000 SP
25	7.7	91	1000 SP
27	7.8	106	1000 SP
30	8.3	106	1000 SP
30	10.3	172	1000 SP
30	11.6	207	1000 SP
30	13.5	267	1000 SP
32	8.6	112	1000 SP
32	12.1	223	1000 SP
36	8.8	120	1000 SP
36	11.1	196	1000 SP
36	12.5	244	1000 SP
36	14.5	315	1000 SP

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

Natalia Dikovits
Sales
+43 (0) 1 70170-120
natalia.dikovits@skw.at

