



We Make Modern
Life Possible

CONTROL AND ELECTRONICS CABLES

LiYCY

Electronic control cable, screened



TECHNICAL DATA



Standard
adapted to DIN VDE 0812



Test Voltage
800 Veff (0,14 mm) / 50 Hz 1200 Veff ($\geq$ 0,25 mm) / 50 Hz



Rated Voltage
max. 350 Vss (0,14 mm) max. 500 Vss ($\geq$ 0,25 mm)



Bending radius (min.)
4 x $\varnothing$ der Leitung



Fire properties
EN 60332-1-2: selbstverlöschend CPR-Klassifizierung: Eca

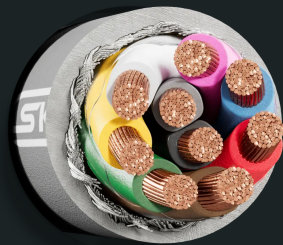


Core identification
DIN 47100



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



- 1 Kupferleiter, feindrähtig
- 2 Aderisolation (PVC), Adern in Lagen verseilt
- 3 Bebänderung (Kunststofffolie)
- 4 Schirm (Geflechschirm aus verzinnnten Kupferdrähten)
- 5 Mantel (PVC grau RAL 7001)

Electrical parameters

Conductor diameter	mm	0.14	0.25	0.34	0.5	0.75	1	1.5
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	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
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
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	31	1000 Sp



Number of cores x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
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	6.9	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
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	6	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
6 x 1	8.3	158	1000 Sp
7 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



Number of cores x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
5 x 1.5	8.9	150	1000 Sp
2 x 2.5	8.5	140	1000 Sp

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