We Make Modern
Life Possible.

CONTROL AND ELECTRONIC CABLES

LiYCY

Electronic control cable, screened

In Meß-, Steuer- und Regelgeräten im Bereich der Elektronik zur
Übertragung von Signalen im Milliamperebereich, zum Schutz vor
Neben- bzw. Übersprechen der Leitungskreise untereinander, sowie vor elektrischen Fremdeinflüssen.



TECHNICAL DATA

Standard
adapted to DIN VDE 0812

Test Voltage
800 Veff (0,14 mm) / 50 Hz 1200 Veff (≥ 0,25 mm) / 50 Hz

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

Bending radius (min.)
4 x Ø of cable

Fire properties
EN 60332-1-2: flame-retardant and self-extinguishing
CPR classification: 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 (Geflechtschirm aus verzinnten 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	3.5	20	1000 SP
3	4.0	40	1000 SP
4	4.1	43	1000 SP
5	4.8	47	1000 SP
6	4.9	52	1000 SP
7	5.0	54	1000 SP
8	5.3	58	1000 SP
10	6.4	76	1000 SP
12	6.7	81	1000 SP
14	6.9	89	1000 SP
16	7.3	97	1000 SP
20	7.8	116	1000 SP
24	9.1	158	1000 SP
25	9.2	165	1000 SP
32	10.0	198	1000 SP
36	10.2	231	1000 SP
40	10.5	252	1000 SP
50	12.0	327	1000 SP
2	3.9	28	1000 SP
3	4.3	34	1000 SP
4	4.5	40	1000 SP
5	5.1	47	1000 SP
6	5.5	54	1000 SP
7	5.9	61	1000 SP
8	5.9	66	1000 SP
10	6.4	80	1000 SP
12	6.5	91	1000 SP
14	8.0	120	1000 SP
16	9.6	135	1000 SP
18	10.0	150	1000 SP
20	10.2	157	1000 SP
24	12.1	212	1000 SP
25	12.1	220	1000 SP
32	13.0	256	1000 SP
40	14.1	302	1000 SP
50	16.0	461	1000 SP
2	4.6	31	1000 SP
3	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	5.2	46	1000 SP
5	5.6	54	1000 SP
6	5.8	62	1000 SP
7	5.9	70	1000 SP
8	6.2	76	1000 SP
10	6.9	114	1000 SP
12	7.2	128	1000 SP
14	9.5	141	1000 SP
16	10.0	155	1000 SP
18	10.7	186	1000 SP
20	10.9	195	1000 SP
24	13.0	244	1000 SP
36	14.3	325	1000 SP
2	5.0	36	1000 SP
3	5.4	45	1000 SP
4	5.9	54	1000 SP
5	6.6	67	1000 SP
6	7.1	76	1000 SP
7	7.2	84	1000 SP
8	7.6	107	1000 SP
10	8.8	134	1000 SP
12	8.9	155	1000 SP
16	10.7	186	1000 SP
18	11.0	217	1000 SP
20	11.6	239	1000 SP
24	13.3	300	1000 SP
2	5.6	6	1000 SP
3	6.0	73	1000 SP
4	6.6	92	1000 SP
5	7.0	110	1000 SP
6	7.7	128	1000 SP
7	7.8	145	1000 SP
8	9.4	151	1000 SP
10	9.8	182	1000 SP
12	9.9	216	1000 SP
2	6.0	74	1000 SP
3	6.4	89	1000 SP
4	6.9	107	1000 SP
5	7.5	132	1000 SP
6	8.3	158	1000 SP
7	10.4	254	1000 SP
2	6.6	86	1000 SP
3	7.0	107	1000 SP
4	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	8.9	150	1000 SP
2	8.5	140	1000 SP

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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