



We Make Modern
Life Possible

CONTROL AND ELECTRONICS CABLES

LiYY

Electronic control cable, unscreened



TECHNICAL DATA



Standard
adapted to DIN VDE 0812



Test Voltage
800 Veff



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: 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



Number of cores x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
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
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

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