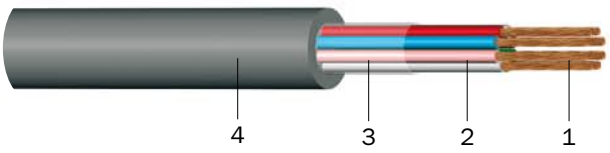
LiYY

Electronic control cable, unscreened
Standard: similar to DIN VDE 0812

Application:
In the electronics of measuring and control devices for the transmission of signals in the range of milliamperes.



Construction:
1 Copper conductor, fine wire
2 Insulation (PVC), cores stranded in layers
3 Taping (plastic tape)
4 Sheath (PVC grey RAL 7001)

Operating voltage: 0.14 mm²: max. 350 Vss
from 0.25 mm²: max. 500 Vss

Test voltage: 0.14 mm²: 800 Veff
from 0.25 mm²: 1200 Veff

Temperature range:
During installation: min. –5 °C
Operating temperature: fixed –30 °C to +70 °C
moved –5 °C to +70 °C
Conductor temperature: max. +70 °C

Bending radius (min.): 4 x ∅ of the cable

Core identification: colour code (DIN 47100)

Flammability:
Self extinguishing (EN 50265-2-1, IEC 60332-1)

Electrical data						
Conductor cross section	(mm²)	0.14	0.25	0.34	0.50	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 nominal cross section (mm²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
LiYY					
2 x 0.14	3.3	2.8	12	1000 Sp	277.18
3 x 0.14	3.5	4.2	17	1000 Sp	381.64
4 x 0.14	3.7	5.6	19	1000 Sp	442.92
5 x 0.14	4.0	7.0	22	1000 Sp	540.29
6 x 0.14	4.3	8.4	25	1000 Sp	617.63
7 x 0.14	4.5	9.8	27	1000 Sp	649.27
8 x 0.14	4.7	11.2	30	1000 Sp	848.16
10 x 0.14	5.4	14.0	35	1000 Sp	997.40
12 x 0.14	5.6	16.8	43	1000 Sp	1,146.38
14 x 0.14	5.9	19.6	48	1000 Sp	1,297.96
16 x 0.14	6.2	22.4	52	1000 Sp	1,427.87
18 x 0.14	6.9	25.2	65	1000 Sp	1,560.59
21 x 0.14	7.6	29.4	77	1000 Sp	1,850.21
24 x 0.14	8.3	33.6	89	1000 Sp	2,081.67
27 x 0.14	8.5	37.8	97	1000 Sp	2,325.46
30 x 0.14	8.8	42.0	106	1000 Sp	2,517.96

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Number of cores x nominal cross section (mm²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
LiYY					
32 x 0.14	9.1	44.8	112	1000 Sp	2,631.72
36 x 0.14	9.3	50.4	127	1000 Sp	2,929.25
2 x 0.25	4.5	5.0	25	1000 Sp	398.26
3 x 0.25	4.8	7.5	29	1000 Sp	469.10
4 x 0.25	5.1	10.0	31	1000 Sp	585.06
5 x 0.25	5.5	12.5	38	1000 Sp	656.14
6 x 0.25	5.8	15.0	42	1000 Sp	681.72
7 x 0.25	6.0	17.5	48	1000 Sp	798.27
8 x 0.25	6.2	20.0	54	1000 Sp	1,078.12
10 x 0.25	7.0	25.0	65	1000 Sp	1,335.98
12 x 0.25	7.5	30.0	75	1000 Sp	1,593.74
14 x 0.25	8.0	35.0	84	1000 Sp	1,766.58
16 x 0.25	8.4	40.0	95	1000 Sp	1,897.66
18 x 0.25	8.8	45.0	101	1000 Sp	2,063.17
20 x 0.25	9.3	50.0	127	1000 Sp	2,356.41
24 x 0.25	9.5	60.0	140	1000 Sp	2,870.28
30 x 0.25	10.2	75.0	172	1000 Sp	3,318.66
36 x 0.25	10.8	90.0	190	1000 Sp	3,895.47
2 x 0.34	4.8	6.8	28	1000 Sp	414.90
3 x 0.34	5.0	10.2	30	1000 Sp	523.65
4 x 0.34	5.3	13.6	40	1000 Sp	634.27
5 x 0.34	5.7	17.0	44	1000 Sp	785.93
6 x 0.34	6.0	20.4	52	1000 Sp	834.09
7 x 0.34	6.2	23.8	60	1000 Sp	964.13
8 x 0.34	6.5	27.2	66	1000 Sp	1,243.75
10 x 0.34	7.8	34.0	77	1000 Sp	1,570.12
12 x 0.34	8.0	40.8	88	1000 Sp	1,741.34
14 x 0.34	8.5	47.6	100	1000 Sp	1,956.16
16 x 0.34	8.7	54.4	114	1000 Sp	2,120.17
18 x 0.34	9.7	61.2	135	1000 Sp	2,442.24
21 x 0.34	10.3	71.4	151	1000 Sp	2,946.58
24 x 0.34	11.3	81.6	171	1000 Sp	3,183.40
30 x 0.34	12.0	102.0	224	1000 Sp	3,877.56
32 x 0.34	12.4	108.8	239	1000 Sp	4,139.61
36 x 0.34	12.9	122.4	265	1000 Sp	4,271.86
2 x 0.50	5.0	10.0	23	1000 Sp	458.63
3 x 0.50	5.2	15.0	31	1000 Sp	589.25
4 x 0.50	6.0	20.0	39	1000 Sp	762.21
5 x 0.50	6.2	25.0	43	1000 Sp	1,068.58
6 x 0.50	6.3	30.0	47	1000 Sp	1,127.08
7 x 0.50	6.5	35.0	70	1000 Sp	1,179.66
8 x 0.50	7.5	40.0	78	1000 Sp	1,487.77
10 x 0.50	8.1	50.0	92	1000 Sp	1,795.54

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Number of cores x nominal cross section (mm^2)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
LiYY					
12 x 0.50	9.0	60.0	122	1000 Sp	1,942.10
16 x 0.50	10.0	80.0	146	1000 Sp	2,499.24
18 x 0.50	10.2	90.0	159	1000 Sp	2,787.81
21 x 0.50	10.5	105.0	180	1000 Sp	3,588.74
24 x 0.50	12.5	120.0	221	1000 Sp	3,830.10
30 x 0.50	13.5	150.0	267	1000 Sp	4,528.45
36 x 0.50	14.5	180.0	315	1000 Sp	5,286.35
2 x 0.75	5.6	15.0	54	1000 Sp	570.17
3 x 0.75	6.0	22.5	66	1000 Sp	728.48
4 x 0.75	6.9	30.0	78	1000 Sp	950.41
5 x 0.75	7.5	37.5	100	1000 Sp	1,193.04
7 x 0.75	8.2	52.5	120	1000 Sp	1,604.43
8 x 0.75	9.0	60.0	138	1000 Sp	2,420.38
12 x 0.75	11.1	90.0	192	1000 Sp	2,924.83

Subject to technical changes. All figures are therefore without guarantee.