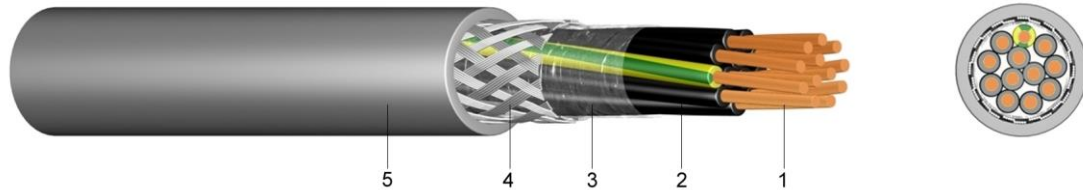


YSLCY

PVC Control Cable with Copper Braiding

Application:

Suitable as a signal and impulse cable in the control, measuring and signal technology. The copper braiding optimises protection against external interferences, like electromagnetic fields and stray frequencies.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 wrapped in a plastic foil
- 4 braiding of tinned copper round wires
- 5 outer sheath of polyvinylchloride (PVC), grey, increased oil resistant

Standards:

adapted to DIN VDE 0281
 DIN EN 60228 class 5 (construction)
 HD 308 S2 (core identification for coloured cores)
 core identification JZ: 1 core green/yellow, other cores black with figures
 core identification OZ: every core black with figures

Technical data:

Nominal voltage U ₀ /U		[V]	300 / 500 Volt
Test voltage		[V] _{AC}	2000
Temperature range	in motion		-5°C till +70°C
	fixed		-30°C till +70°C
Operating temperature	short circuit	°C	150°C
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	10
Bending radius	in motion	x diameter	20
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²			Copper figure kg/km	Cond. construction (app.value) mm	Overall diameter appr.mm	Weight appr. kg / km
2 x 0,5		●	36	16 x 0,21	5,6	45
3 x 0,5	●	●	43	16 x 0,21	5,9	55
4 x 0,5	●	●	49	16 x 0,21	6,4	73
5 x 0,5	●		57	16 x 0,21	7,0	91
12 x 0,5	○		104	16 x 0,21	9,8	208
25 x 0,5	○	○	211	16 x 0,21	13,7	354
2 x 0,75		●	43	24 x 0,21	6,2	56
3 x 0,75	●	●	52	24 x 0,21	6,5	70
4 x 0,75	●	●	61	24 x 0,21	7,0	96
5 x 0,75	●	●	72	24 x 0,21	7,8	157
7 x 0,75	●	●	89	24 x 0,21	8,4	168
10 x 0,75	●		121	24 x 0,21	10,4	217
12 x 0,75	●	●	138	24 x 0,21	10,9	231
18 x 0,75	●	●	211	24 x 0,21	12,8	314
25 x 0,75	●	●	280	24 x 0,21	15,2	434
34 x 0,75	●		346	24 x 0,21	17,1	529

Number of cores and nominal cross section mm ²			Copper figure kg/km	Cond. construction (app.value) mm	Overall diameter appr.mm	Weight appr. kg / km
2 x 1		●	51	32 x 0,21	6,5	83
3 x 1	●	●	62	32 x 0,21	6,7	111
4 x 1	●	●	74	32 x 0,21	7,4	131
5 x 1	●	●	88	32 x 0,21	8,1	155
7 x 1	●	●	112	32 x 0,21	8,8	190
12 x 1	●	●	185	32 x 0,21	11,5	286
18 x 1	●	●	268	32 x 0,21	13,8	393
25 x 1	●	●	354	32 x 0,21	16,0	658
34 x 1	●	○	458	32 x 0,21	18,4	759
50 x 1	●		671	32 x 0,21	22,0	994
2 x 1,5 *		●	65	30 x 0,26	7,1	97
3 x 1,5 *	●	●	82	30 x 0,26	7,6	124
4 x 1,5 *	●	●	100	30 x 0,26	8,2	166
5 x 1,5 *	●	●	119	30 x 0,26	9,0	192
7 x 1,5	●	●	154	30 x 0,26	9,8	245
12 x 1,5	●	●	268	30 x 0,26	13,0	365
18 x 1,5	●	●	373	30 x 0,26	15,5	556
25 x 1,5	●	●	530	30 x 0,26	18,0	737
27 x 1,5	○		560	30 x 0,26	20,0	750
34 x 1,5	●	○	686	30 x 0,26	20,9	966
50 x 1,5	○	○	1.001	30 x 0,26	24,8	1.342
2 x 2,5		●	92	50 x 0,26	8,5	161
3 x 2,5 *	●	●	118	50 x 0,26	9,0	187
4 x 2,5	●	●	147	50 x 0,26	9,9	241
5 x 2,5	●		176	50 x 0,26	11,0	274
7 x 2,5	●		253	50 x 0,26	12,0	344
12 x 2,5	●		408	50 x 0,26	15,9	407
4 x 4	●		248	56 x 0,31	11,6	307
5 x 4	●		288	50 x 0,31	12,8	370
2 x 6		○	170	84 x 0,31	12,5	180
4 x 6	●		343	84 x 0,31	14,0	402
5 x 6	●		403	84 x 0,31	15,5	506
4 x 10 *	●		535	80 x 0,41	17,2	747
5 x 10	●		635	80 x 0,41	19,3	861
4 x 16	●		800	128 x 0,41	20,0	1.041
5 x 16	●		960	128 x 0,41	22,2	1.289
4 x 25	●		1.280	200 x 0,41	24,7	1.460
5 x 25	●		1.530	200 x 0,41	27,5	1.840

* also with coloured cores according to HD 308 S2