

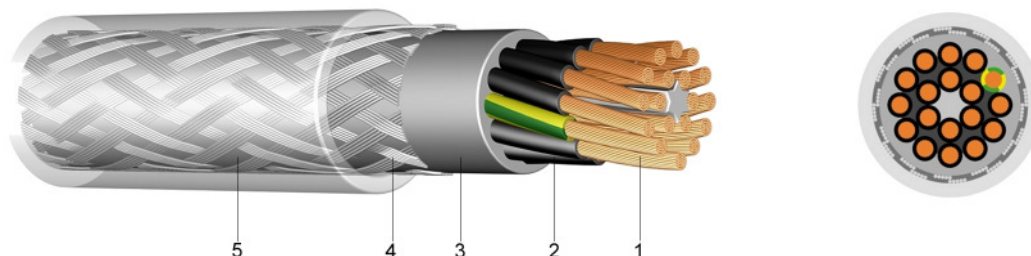
Datasheet YSLYQY

Version 1/2009

PVC Control Cable with Steel Wire Braiding

Application:

Used as a power and control cable with increased mechanical stress-resistance for rough operating conditions. This cable is also suitable for fixed installations in vehicles, machines and hoists, etc.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 inner sheath of polyvinylchloride (PVC)
- 4 braiding of galvanised steel wires
- 5 outer sheath of polyvinylchloride (PVC),
transparent, increased oil resistant

According to:

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		-40°C till +70°C
Operating temperature	short circuit	°C	150
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	6
Bending radius	in motion	x diameter	15
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 0,75	15,0	24 x 0,21	7,5	73
3 x 0,75	22,5	24 x 0,21	7,8	82
4 x 0,75	30,0	24 x 0,21	8,2	89
5 x 0,75	37,5	24 x 0,21	8,8	101
7 x 0,75	52,5	24 x 0,21	9,1	127
12 x 0,75	90,0	24 x 0,21	11,5	187
18 x 0,75	135,0	24 x 0,21	13,3	258
25 x 0,75	187,5	24 x 0,21	16,3	370
34 x 0,75	255,0	24 x 0,21	18,0	473
50 x 0,75	375,0	24 x 0,21	20,5	649
2 x 1	20,0	32 x 0,21	7,7	79
3 x 1	30,0	32 x 0,21	8,0	90
4 x 1	40,0	32 x 0,21	8,5	106

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
5 x 1	50,0	32 x 0,21	9,1	119
7 x 1	70,0	32 x 0,21	9,7	145
12 x 1	120,0	32 x 0,21	12,1	226
18 x 1	180,0	32 x 0,21	13,8	311
25 x 1	250,0	32 x 0,21	16,9	438
34 x 1	340,0	32 x 0,21	18,5	561
50 x 1	500,0	32 x 0,21	22,4	794
2 x 1,5	30,0	30 x 0,26	8,3	96
3 x 1,5	45,0	30 x 0,26	8,5	117
4 x 1,5 *	60,0	30 x 0,26	9,2	132
5 x 1,5	75,0	30 x 0,26	9,7	147
7 x 1,5	105,0	30 x 0,26	10,6	184
12 x 1,5	180,0	30 x 0,26	13,5	293
18 x 1,5	270,0	30 x 0,26	16,3	433
25 x 1,5	375,0	30 x 0,26	19,0	572
34 x 1,5	510,0	30 x 0,26	21,2	739
50 x 1,5	750,0	30 x 0,26	28,1	1.227
3 x 2,5	75,0	50 x 0,26	9,7	155
4 x 2,5 *	100,0	50 x 0,26	10,7	191
5 x 2,5	125,0	50 x 0,26	11,5	224
7 x 2,5	175,0	50 x 0,26	12,6	285
12 x 2,5	300,0	50 x 0,26	16,6	460
18 x 2,5	450,0	50 x 0,26	19,3	654
25 x 2,5	625,0	50 x 0,26	23,2	891
4 x 4 *	160,0	56 x 0,31	12,3	271
5 x 4 *	200,0	56 x 0,31	13,8	330
7 x 4	280,0	56 x 0,31	15,4	442
4 x 6	240,0	84 x 0,31	14,5	379
5 x 6 **	300,0	84 x 0,31	16,4	474
7 x 6	420,0	84 x 0,31	17,7	615
4 x 10	400,0	80 x 0,41	18,0	608
7 x 10	700,0	80 x 0,41	21,6	920
4 x 16	640,0	128 x 0,41	21,8	945
5 x 16 **	800,0	128 x 0,41	23,4	1.123
7 x 16	1.120,0	128 x 0,41	26,0	1.494
4 x 25 **	1.000,0	200 x 0,41	25,1	1.349
4 x 35 **	1.400,0	280 x 0,41	29,6	1.839
5 x 35 **	1.750,0	280 x 0,41	32,0	2.197
4 x 50 **	2.000,0	400 x 0,41	34,3	2.605
4 x 70 **	2.800,0	356 x 0,51	38,5	3.453
4 x 95 **	3.800,0	470 x 0,51	43,0	4.544

* also with coloured core on Stock available

** only with coloured core on Stock available, with black insulation and white figures on enquiry