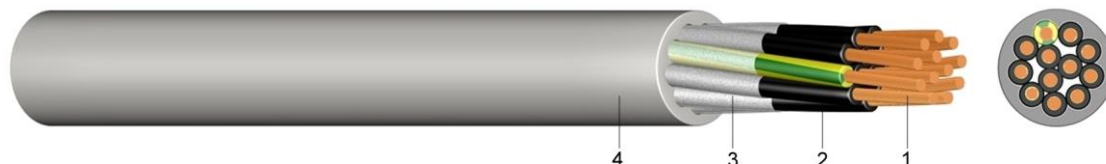




S 80 PVC Cable Chain Cable

Application: The flexible cable chain cable S 80 is best suited for application in moving machine parts, industrial robots, production lines, wood and packaging machines, machine tools, cable chains and automation systems.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 fine cotton binding over the outside
- 4 outer sheath of polyvinylchloride (PVC), grey or black

Standards: in according with DIN VDE 0285-525-1
 DIN EN 60228 class 6 (construction)
 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 fixed	- 5°C till +70°C -40°C till +70°C
Operating temperature	short circuit	150°C
Short circuit time	max.	5 [sec]
Bending radius	one time / fixed in motion	5,0 7,5 x diameter
Flammability	standard	EN 60332-1-2

Number of cores and nominal cross section mm ²	from stock	from stock	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
	J	O				
3 x 0,5	○		15,0	0,16	6,7	52
4 x 0,5	○		20,0	0,16	7,3	63
5 x 0,5	○		25,0	0,16	8,5	85
7 x 0,5	○		35,0	0,16	9,9	118
12 x 0,5	○		60,0	0,16	9,9	145
18 x 0,5	○		90,0	0,16	14,0	250
25 x 0,5	●		125,0	0,16	16,4	350
2 x 0,75		●	15,0	0,16	6,7	48
3 x 0,75	○		22,5	0,16	7,1	61
4 x 0,75	○		30,0	0,16	7,7	76
5 x 0,75	●		37,5	0,16	8,9	102
7 x 0,75	●		52,5	0,16	10,8	152
12 x 0,75	●		90,0	0,16	12,9	214
18 x 0,75	○		135,0	0,16	14,8	306
25 x 0,75	○		187,5	0,16	18,1	454
2 x 1		○	20,0	0,16	7,1	55
3 x 1	●		30,0	0,16	7,5	71
4 x 1	●		40,0	0,16	8,7	97



Number of cores and nominal cross section mm ²	from stock	from stock	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
	J	O				
5 x 1	○		50,0	0,16	9,4	119
7 x 1	●		70,0	0,16	11,4	177
12 x 1	●		120	0,16	13,6	253
18 x 1	●		180	0,16	16,4	387
25 x 1	●		250	0,16	19,1	535
2 x 1,5		○	30	0,16	8,7	78
3 x 1,5	●		45	0,16	9,1	101
4 x 1,5	●		60	0,16	9,9	126
5 x 1,5	●		75	0,16	11,1	166
7 x 1,5	○		105	0,16	13,1	234
12 x 1,5	●		180	0,16	16,5	357
18 x 1,5	●		270	0,16	19,6	540
25 x 1,5	●		375	0,16	22,6	708
3 x 2,5	○		75	0,16	11,0	160
4 x 2,5	○		100	0,16	12,0	201
5 x 2,5	○		125	0,16	13,0	250
7 x 2,5	○		175	0,16	15,6	355
12 x 2,5	○		300	0,16	19,9	573
25 x 2,5	○		625	0,16	28,5	1.134
4 x 4	○		160	0,16	13,6	262
5 x 4	○		200	0,16	14,8	328
7 x 4	○		280	0,16	17,4	458
4 x 6	○		240	0,21	15,3	359
5 x 6	○		300	0,21	17,6	476
7 x 6	○		420	0,21	24,6	666
4 x 10	○		400	0,21	20,6	639
4 x 16	○		640	0,21	23,8	910