

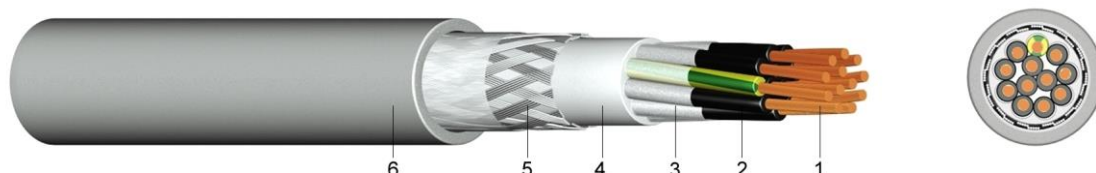


S 80 C

PVC Cable Chain with Copper Braiding

Application:

The flexible cable chain cable S 80 C is best suited for the application in moving machine parts, industrial robots, wood and packaging machines, production lines, machine tools, cable chains and automation systems. The tinned copper braiding optimises protection against high-frequency external interference.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 cotton binding
- 4 inner sheath
- 5 screen of tinned copper braiding
- 6 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 at 50 Hz	core / core	[V] _{AC}	2500
	core / screen	[V] _{AC}	1000
Temperature range	in motion		- 5°C till +70°C
	fixed		-40°C till +70°C
Operating temperature	short circuit	°C	150°C
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	5,0
	in motion	x diameter	7,5
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	○		58	0,16	8,8	113
4 x 0,5	○		69	0,16	9,5	132
5 x 0,5	○		78	0,16	10,2	154
7 x 0,5	●		94	0,16	12,0	208
12 x 0,5	○		132	0,16	14,3	302
18 x 0,5	○		199	0,16	17,2	429
2 x 0,75		●	58	0,16	8,8	113
3 x 0,75	○		67	0,16	9,4	132
4 x 0,75	○		83	0,16	9,9	153
5 x 0,75	○		96	0,16	11,0	184
7 x 0,75	○		114	0,16	12,5	241
12 x 0,75	●		196	0,16	15,0	345



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				
18 x 0,75	○		269	0,16	18,1	501
25 x 0,75	○		333	0,16	21,9	688
2 x 1		○	63	0,16	9,1	126
3 x 1	●		74	0,16	9,7	149
5 x 1	●		108	0,16	11,5	209
7 x 1	●		141	0,16	12,4	250
12 x 1	●		228	0,16	17,5	305
18 x 1	○		316	0,16	19,5	593
25 x 1	●		398	0,16	23,4	815
2 x 1,5		○	82	0,16	10,7	170
3 x 1,5	●		98	0,16	11,2	196
4 x 1,5	●		124	0,16	12,0	223
5 x 1,5	●		136	0,16	13,0	268
7 x 1,5	○		178	0,16	15,7	390
12 x 1,5	●		313	0,16	19,5	580
18 x 1,5	●		411	0,16	22,8	780
25 x 1,5	●		556	0,16	27,3	1.109
3 x 2,5	○		137	0,16	12,7	264
4 x 2,5	○		172	0,16	14,0	337
7 x 2,5	○		310	0,16	19,3	592