

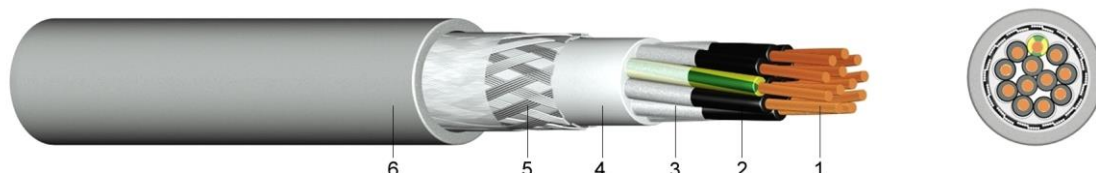


S 210 C

PUR Cable Chain Cable with Copper Braiding

Application:

This highly flexible cable chain cable is best suited for application in industrial robots, handling gears, automation systems, wood and packaging machines, the automobile industry, machine tools and high shelf building.



Construction:

- 1 very fine-stranded bare copper
- 2 core insulation of thermoplastic polyester elastomer (TPE-E), polypropylene (PP)
- 3 wrapping of fine cotton binding
- 4 inner sheath
- 5 screen of tinned copper braiding
- 6 outer sheath of polyurethane (PUR), grey, poor in adhesion, oil and abrasion resistant, halogen-free, UV-resistant

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		-30°C till +80°C
	fixed		-40°C till +80°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
Oil-resistant	standard		EN 60811-2-1
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				
2 x 0,5		●	49	0,16	7,1	68
3 x 0,5	○		55	0,16	7,4	81
4 x 0,5	○		62	0,16	8,5	90
5 x 0,5	○		68	0,16	8,9	106
7 x 0,5	○		88	0,16	10,0	134
12 x 0,5	●		121	0,16	11,9	192
18 x 0,5	○		163	0,16	13,6	250
25 x 0,5	●		237	0,16	16,8	371



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				
2 x 0,75		○	55	0,16	7,7	79
3 x 0,75	○		65	0,16	8,1	96
4 x 0,75	○		73	0,16	8,7	114
5 x 0,75	○		90	0,16	9,5	125
7 x 0,75	○		111	0,16	11,3	167
12 x 0,75	○		162	0,16	12,9	235
18 x 0,75	○		243	0,16	15,5	336
25 x 0,75	○		326	0,16	18,4	466
36 x 0,75	○		416	0,16	22,1	636
3 x 1	○		73	0,16	8,7	105
4 x 1	●		92	0,16	9,3	128
5 x 1	○		103	0,16	10,1	147
7 x 1	○		130	0,16	12,0	198
12 x 1	●		194	0,16	13,9	301
18 x 1	●		291	0,16	16,8	420
25 x 1	○		393	0,16	20,2	576
41 x 1	○		623	0,16	25,4	1.250
50 x 1	○		754	0,16	23,4	1.212
2 x 1,5		○	82	0,16	8,8	116
3 x 1,5	●		98	0,16	9,4	139
4 x 1,5	●		117	0,16	10,2	157
5 x 1,5	●		134	0,16	11,3	198
7 x 1,5	●		177	0,16	12,9	252
12 x 1,5	●		290	0,16	15,6	419
18 x 1,5	●		410	0,16	18,7	561
25 x 1,5	●		555	0,16	22,4	815
36 x 1,5	○		732	0,16	27,3	1.047
3 x 2,5	●		135	0,16	11,2	197
4 x 2,5	●		171	0,16	12,1	233
5 x 2,5	○		198	0,16	13,3	290
7 x 2,5	○		285	0,16	16,2	417
12 x 2,5	○		443	0,16	18,9	631
18 x 2,5	○		633	0,16	22,5	918
4 x 4	○		266	0,16	13,9	310
4 x 6	○		374	0,21	16,1	446