

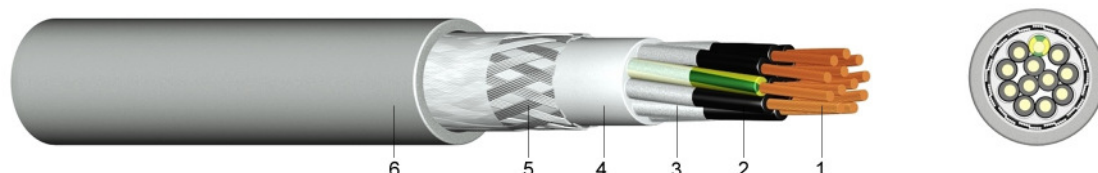
Datasheet S 200 C

Version 1/2009

PUR Cable Chain Cable with Copper Braiding

Application:

This highly flexible cable chain cable S 200 C 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) or 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

According to:

adapted to DIN VDE 0281
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 +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	5,0
Bending radius	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	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
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
2 x 0,75	55	0,16	7,7	79
3 x 0,75	65	0,16	8,1	96

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
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