

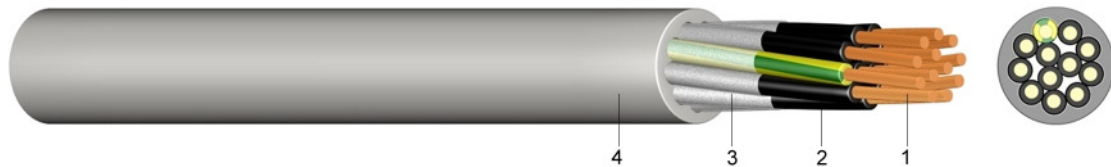
## Datasheet S 200

Version 1/2009

## PUR Cable Chain Cable

### Application:

This highly flexible cable chain cable S 200 is best suited for application in industrial branches such as industrial robots, handling gears, automation systems, wood and packaging machines, 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 ..... fine cotton binding over each layer
- 4 ..... 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 <sub>0</sub> /U	[V]	300 / 500 Volt
Test voltage	[V]AC	2500
Temperature range	in motion	-30 °C till +70 °C
	fixed	-40 °C till +70 °C
Operating temperature	short circuit	°C
Short circuit time	max.	[sec]
Bending radius	one time / fixed	x diameter
Bending radius	in motion	x diameter
Oil-resistant	standard	EN 60811-2-1
Flammability	standard	EN 60332-1-2

Number of cores and nominal cross section mm <sup>2</sup>	Copper figure	Wire diameter	Overall diameter appr. mm	Weight appr. kg / km
	kg/km	mm		
2 x 0,5	10,0	0,16	5,7	37
5 x 0,5	25,0	0,16	7,2	58
7 x 0,5	35,0	0,16	8,2	76
12 x 0,5	60,0	0,16	9,6	117
25 x 0,5	125,0	0,16	14,0	223
36 x 0,5	180,0	0,16	20,1	321
2 x 0,75	15,0	0,16	6,2	44
3 x 0,75	22,5	0,16	6,5	54
4 x 0,75	30,0	0,16	7,3	63
5 x 0,75	37,5	0,16	7,9	74
7 x 0,75	52,5	0,16	9,3	102
12 x 0,75	90,0	0,16	10,9	161
18 x 0,75	135,0	0,16	12,9	222
25 x 0,75	187,5	0,16	18,1	454
36 x 0,75	270,0	0,16	26,0	653

## Datasheet

Version 1/2009

Number of cores and nominal cross section mm <sup>2</sup>	Copper figure	Wire diameter	Overall diameter appr. mm	Weight appr. kg / km
	kg/km	mm		
3 x 1	30,0	0,16	7,2	64
4 x 1	40,0	0,16	7,7	73
5 x 1	50,0	0,16	8,3	95
7 x 1	70,0	0,16	10,1	122
12 x 1	120,0	0,16	11,8	201
18 x 1	180,0	0,16	14,4	277
25 x 1	250,0	0,16	16,0	312
30 x 1	300,0	0,16	19,2	374
36 x 1	360,0	0,16	23,0	449
2 x 1,5	30,0	0,16	7,2	71
3 x 1,5	45,0	0,16	7,7	86
4 x 1,5	60,0	0,16	8,6	104
5 x 1,5	75,0	0,16	9,4	132
7 x 1,5	105,0	0,16	11,4	181
12 x 1,5	180,0	0,16	13,3	279
18 x 1,5	270,0	0,16	15,9	408
25 x 1,5	375,0	0,16	19,3	569
34 x 1,5	510,0	0,16	26,2	773
3 x 2,5	75,0	0,16	9,5	124
4 x 2,5	100,0	0,16	10,4	164
5 x 2,5	125,0	0,16	11,6	199
7 x 2,5	175,0	0,16	14,0	269
12 x 2,5	300,0	0,16	16,6	448
4 x 4	160,0	0,16	13,6	262
4 x 6	240,0	0,21	15,3	359