



# High Flexible cables for power chain application

연속적인 움직임 / TPE-PUR 데이터 케이블 / 칼라코어 / 구리망섀드 **SD 200 C**

**RoHS**



Marking for SD 200 C 07842501  
SAB BRÖCKSKES D-VIERSEN SD 200 C 25 x 0,14 mm<sup>2</sup> CE

## Construction (케이블구성)

<b>Conductor</b> (도체)	bare copper strands, extra fine wires
<b>Insulation</b> (내피재질)	TPE 510
<b>Core code</b> (코어식별)	with reference to DIN 47100
<b>Stranding</b> (도체연선)	specially adjusted layering with non-woven tape over the outer layer
<b>Wrapping</b>	non-woven tape
<b>Screen</b> (섀드형식)	tinned copper braiding
<b>Wrapping</b>	non-woven tape
<b>Sheath material</b> (외피재질)	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Sheath colour</b> (외피색상)	grey (RAL 7032)

## Outstanding features (특징)

- ▶ labs uncritical (labs = enamel moisturing interfering substances)
- ▶ flexible at low temperatures
- ▶ halogen-free (할로겐프리)
- ▶ travel > 10 m is possible
- ▶ good EMC characteristics (탁월한 EMC기능)
- ▶ high abrasion resistance (내마모성 강화)
- ▶ flame retardant sheath material

## Technical data (기술사항)

<b>Peak operating voltage</b> (최고사용전압)	max. 350V acc. to DIN VDE
<b>Testing voltage</b> (시험전압)	1500V acc. to DIN VDE 0472 part 509 core/screen 1200V
<b>Min. bending radius</b> (곡률반경) continuously flexible	7,5 x d
<b>Radiation resistance</b> (내방사성)	5 x 10 <sup>6</sup> Cj/kg
<b>Temperature range</b> (사용온도) fixed laying flexible application	-50 / +90°C -40 / +90°C
<b>Halogen-free</b> (할로겐프리)	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Oil resistance</b> (내유성)	very good – TPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chem. resistance</b> (내화학성)	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Continuous flexibility</b>	very good
<b>Weather resistance</b> (내후성)	very good
<b>Absence of harmful substances</b>	acc. to RoHS-guideline 2002/95/EG as well as Gefstovf appendix IV-no.24

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07840201	2 x 0,14	0,11	3,7	11,6	18
07840301	3 x 0,14	0,11	3,8	13,0	20
07840401	4 x 0,14	0,11	4,1	16,2	24
07840501	5 x 0,14	0,11	4,3	17,7	27
07840701	7 x 0,14	0,11	4,9	22,7	35
07841201	12 x 0,14	0,11	5,9	43,5	54
07841801	18 x 0,14	0,11	6,7	53,2	70
07842501	25 x 0,14	0,11	7,8	71,2	90
07843201	32 x 0,14	0,11	8,5	81,2	104
07840202	2 x 0,25	0,11	4,0	15,6	23
07840302	3 x 0,25	0,11	4,2	18,1	26
07840402	4 x 0,25	0,11	4,4	20,7	29
07840502	5 x 0,25	0,11	4,7	25,1	35
07840702	7 x 0,25	0,11	5,4	32,5	46
07841202	12 x 0,25	0,11	6,6	57,6	71
07841802	18 x 0,25	0,11	7,5	75,6	95
07842502	25 x 0,25	0,11	9,0	100,8	127
07843202	32 x 0,25	0,11	9,5	126,6	156
07840203	2 x 0,34	0,11	4,2	17,5	26
07840303	3 x 0,34	0,11	4,4	20,4	29
07840403	4 x 0,34	0,11	4,7	26,2	35
07840503	5 x 0,34	0,11	5,0	29,7	41

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07840703	7 x 0,34	0,11	5,7	38,9	53
07841203	12 x 0,34	0,11	6,9	68,6	82
07841803	18 x 0,34	0,11	8,0	96,6	115
07842503	25 x 0,34	0,11	9,6	131,5	155
07843203	32 x 0,34	0,11	10,2	155,0	185
07840250	2 x 0,50	0,11	4,8	22,8	34
07840350	3 x 0,50	0,11	5,0	27,8	39
07840450	4 x 0,50	0,11	5,4	34,9	47
07840550	5 x 0,50	0,11	5,8	40,2	55
07840750	7 x 0,50	0,11	6,9	63,1	81
07841250	12 x 0,50	0,11	8,0	81,4	105
07841850	18 x 0,50	0,11	9,7	136,4	167
07842550	25 x 0,50	0,11	11,8	176,2	222
07840275	2 x 0,75	0,11	5,4	30,2	44
07840375	3 x 0,75	0,11	5,7	37,7	52
07840475	4 x 0,75	0,11	6,3	57,0	69
07840575	5 x 0,75	0,11	6,8	65,2	81
07840775	7 x 0,75	0,11	7,9	88,1	106
07841275	12 x 0,75	0,11	9,7	136,4	163
07841875	18 x 0,75	0,11	11,6	181,5	227
07842575	25 x 0,75	0,11	14,1	248,5	316

Other dimensions and colours are possible on request.

### Note

- ✓ 고속형 자동화용
- ✓ 내마모성 강화
- ✓ -40°C ~ +90°C (저온사용)
- ✓ 할로겐프리



Thomas Cable