



High Flexible cables for power chain application

연속적인 움직임 / PUR 페어드 케이블 / 구리망섀드

SD 90 C TP

RoHS



Marking for SD 90 C TP 07710350
SAB BRÖCKSKES D-VIERSEN SD 90 C TP 3 x 2 x 0,5 mm² CE

Construction (케이블구성)

Conductor (도체)	bare copper strands, extra fine wires
Insulation (내피재질)	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Core code (코어식별)	with reference to DIN 47100
Stranding (도체연선)	cores twisted to pairs, pairs twisted in specially adjusted layering with non-woven tape over each layer
Wrapping	non-woven tape
Screen (섀드형식)	tinned copper braiding
Wrapping	non-woven tape
Sheath material (외피재질)	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Sheath colour (외피색상)	grey (RAL 7032)

Outstanding features (특징)

- ▶ very good EMC characteristics (탁월한 EMC기능)
- ▶ improved abrasion resistance (내마모성 강화)
- ▶ high tear resistance (극 내구성)
- ▶ good chemical resistance (극 내화학성)
- ▶ increased efficiency (향상된 품질)

Technical data (기술사양)

Peak operating voltage (최고사용전압)	max. 350V acc. to DIN VDE
Testing voltage (시험전압)	1500V acc. to DIN VDE 0472 part 509 core/screen 1200V
Min. bending radius (곡률반경) continuously flexible	7.5 x d
Radiation resistance (내방사성)	5 x 10 ⁷ cJ/kg
Temperature range (사용온도) fixed laying flexible application	-30 / +70°C - 5 / +70°C
Fire performance (내화성관련)	flame retardant and self-extinguishing acc. to IEC 60332-1 + EN 50265-2-1 + VDE 0482 part 265-2-1
Oil resistance (내유성)	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance (내화학성)	good against acids, alkalines, solvents, hydraulic liquids etc.
Flexibility (유연성)	very good
Absence of harmful substances	acc to RoHS-guideline 2002 / 95 / EG as well as Gefstoffs appendix IV-no.24

item no.	no. of pairs x cross section n x 2 x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07710214	2 x 2 x 0,14	0,11	4,9	15,9	31
07710314	3 x 2 x 0,14	0,11	5,4	20,3	37
07710414	4 x 2 x 0,14	0,11	6,0	24,7	44
07710514	5 x 2 x 0,14	0,11	6,5	30,3	54
07710714	7 x 2 x 0,14	0,11	7,0	35,9	67
07711814	18 x 2 x 0,14	0,11	10,4	89,7	143
07712514	25 x 2 x 0,14	0,11	12,1	114,4	186
07710225	2 x 2 x 0,25	0,11	5,4	21,8	40
07710325	3 x 2 x 0,25	0,11	5,9	28,3	48
07710425	4 x 2 x 0,25	0,11	6,7	36,2	59
07710525	5 x 2 x 0,25	0,11	7,2	42,7	70
07710725	7 x 2 x 0,25	0,11	7,6	54,1	90
07711825	18 x 2 x 0,25	0,11	12,0	133,5	204
07712525	25 x 2 x 0,25	0,11	13,9	177,2	269
07710234	2 x 2 x 0,34	0,11	6,3	28,4	53
07710334	3 x 2 x 0,34	0,11	6,9	36,6	63
07710434	4 x 2 x 0,34	0,11	7,9	46,7	78
07710534	5 x 2 x 0,34	0,11	8,8	55,4	97
07710734	7 x 2 x 0,34	0,11	9,4	70,9	127
07711834	18 x 2 x 0,34	0,11	14,8	175,2	287
07712534	25 x 2 x 0,34	0,11	17,1	258,6	391

item no.	no. of pairs x cross section n x 2 x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07710250	2 x 2 x 0,50	0,16	6,9	36,2	65
07710350	3 x 2 x 0,50	0,16	7,6	49,3	81
07710450	4 x 2 x 0,50	0,16	8,9	61,2	101
07710550	5 x 2 x 0,50	0,16	9,7	73,3	123
07710750	7 x 2 x 0,50	0,16	11,0	108,6	180
07711050	10 x 2 x 0,50	0,16	14,8	96,0	244
07711850	18 x 2 x 0,50	0,16	16,8	267,8	399
07712550	25 x 2 x 0,50	0,16	19,2	347,3	509
07713050	30 x 2 x 0,50	0,16	22,0	288,0	732
07710275	2 x 2 x 0,75	0,16	7,8	49,3	87
07710375	3 x 2 x 0,75	0,16	8,8	65,9	110
07710475	4 x 2 x 0,75	0,16	10,4	98,9	148
07710575	5 x 2 x 0,75	0,16	11,7	118,9	188
07710775	7 x 2 x 0,75	0,16	12,6	152,4	246
07711875	18 x 2 x 0,75	0,16	19,4	366,8	545
07712575	25 x 2 x 0,75	0,16	22,4	481,4	709
07710110	1 x 2 x 1,0	0,10	7,6	42	71
07710210	2 x 2 x 1,0	0,10	8,3	73	130
07710310	3 x 2 x 1,0	0,10	12,2	93,6	170
07710410	4 x 2 x 1,0	0,10	132	117,8	204
07710510	5 x 2 x 1,0	0,10	14,6	139	238

Other dimensions and colours are possible on request.

Note

- ✓ EMC 차폐기능
- ✓ 강한 외피 (찢겨지지 않음)
- ✓ 매트형 표면 피복

TCC

Thomas Cable