



High Flexible cables for power chain application

SD 90 C 연속적인 움직임 / PUR 데이터 / 칼라코어 / 구리망섀드



RoHS

Marking for SD 90 C 07882502
SAB BRÖCKSKES D-VIERSEN SD 90 C 25 x 0,25 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) | specially adjusted layering with non-woven tape over the outer layer |
| 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 (내 마모성 강화)
- ▶ high tear resistance (피복강화-찢겨지지 않음)
- ▶ good chemical resistance (극 내화학성)
- ▶ increased efficiency (향상된 품질)

Technical data (기술사항)

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|---|---|
| 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 Gefstovf appendix IV-no.24 |

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 07880201 | 2 x 0,14 | 0,11 | 3,9 | 11,3 | 20 |
| 07880301 | 3 x 0,14 | 0,11 | 4,1 | 14,4 | 23 |
| 07880401 | 4 x 0,14 | 0,11 | 4,3 | 15,7 | 25 |
| 07880501 | 5 x 0,14 | 0,11 | 4,6 | 18,8 | 31 |
| 07880701 | 7 x 0,14 | 0,11 | 5,2 | 23,4 | 39 |
| 07881201 | 12 x 0,14 | 0,11 | 6,1 | 33,7 | 52 |
| 07881801 | 18 x 0,14 | 0,11 | 6,9 | 43,9 | 70 |
| 07882501 | 25 x 0,14 | 0,11 | 8,1 | 57,4 | 89 |
| 07880202 | 2 x 0,25 | 0,11 | 4,2 | 15,1 | 25 |
| 07880302 | 3 x 0,25 | 0,11 | 4,4 | 17,6 | 28 |
| 07880402 | 4 x 0,25 | 0,11 | 4,7 | 21,7 | 33 |
| 07880502 | 5 x 0,25 | 0,11 | 5,0 | 25,9 | 39 |
| 07880702 | 7 x 0,25 | 0,11 | 5,7 | 32,7 | 51 |
| 07881202 | 12 x 0,25 | 0,11 | 6,7 | 48,4 | 69 |
| 07881802 | 18 x 0,25 | 0,11 | 7,7 | 66,9 | 97 |
| 07882502 | 25 x 0,25 | 0,11 | 9,2 | 89,0 | 128 |
| 07880203 | 2 x 0,34 | 0,11 | 4,8 | 18,7 | 32 |
| 07880303 | 3 x 0,34 | 0,11 | 5,0 | 23,2 | 36 |
| 07880403 | 4 x 0,34 | 0,11 | 5,4 | 27,1 | 42 |
| 07880503 | 5 x 0,34 | 0,11 | 5,8 | 32,3 | 51 |

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 07880703 | 7 x 0,34 | 0,11 | 6,7 | 42,4 | 68 |
| 07881203 | 12 x 0,34 | 0,11 | 7,9 | 62,9 | 93 |
| 07881803 | 18 x 0,34 | 0,11 | 9,4 | 87,8 | 135 |
| 07882503 | 25 x 0,34 | 0,11 | 11,6 | 135,7 | 195 |
| 07880250 | 2 x 0,50 | 0,11 | 5,2 | 23,2 | 38 |
| 07880350 | 3 x 0,50 | 0,11 | 5,4 | 30,1 | 45 |
| 07880450 | 4 x 0,50 | 0,11 | 5,9 | 35,5 | 53 |
| 07880550 | 5 x 0,50 | 0,11 | 6,6 | 52,8 | 74 |
| 07880750 | 7 x 0,50 | 0,11 | 7,5 | 66,0 | 93 |
| 07881250 | 12 x 0,50 | 0,11 | 9,1 | 99,6 | 133 |
| 07881850 | 18 x 0,50 | 0,11 | 11,0 | 137,5 | 195 |
| 07882550 | 25 x 0,50 | 0,11 | 12,8 | 179,4 | 249 |
| 07880275 | 2 x 0,75 | 0,11 | 5,8 | 30,6 | 49 |
| 07880375 | 3 x 0,75 | 0,11 | 6,3 | 49,8 | 66 |
| 07880475 | 4 x 0,75 | 0,11 | 6,8 | 58,0 | 77 |
| 07880575 | 5 x 0,75 | 0,11 | 7,4 | 68,3 | 92 |
| 07880775 | 7 x 0,75 | 0,11 | 8,7 | 89,8 | 126 |
| 07881275 | 12 x 0,75 | 0,11 | 10,4 | 137,2 | 180 |
| 07881875 | 18 x 0,75 | 0,11 | 12,5 | 187,3 | 256 |
| 07882575 | 25 x 0,75 | 0,11 | 15,1 | 250,5 | 351 |

Other dimensions and colours are possible on request.

Note

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