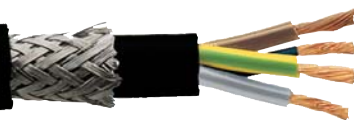


DR 718 CP Highflex with overall copper screen

BRÜCKSKES · D-VIERSEN · DR 718 CP Highflex 4 x 2,5 mm² CE



Marking for DR 718 CP Highflex 07180425:

SAB BRÜCKSKES · D-VIERSEN · DR 718 CP Highflex 4 x 2,5 mm² CE

Construction:

| | |
|-----------------------|---|
| Conductor: | bare copper strands acc. to IEC 60228 EN 60228, VDE 0295, class 5 |
| Insulation: | special polymer |
| Colour code: | coloured acc. to HD 308 (VDE 0293 part 308); from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 cores |
| Stranding: | specially adjusted layering around central suspension unit |
| Inner sheath: | PUR |
| Screen: | tinned copper braiding |
| Outer sheath: | PUR |
| Sheath colour: | black (RAL 9005) |

Outstanding features:

- high winding and unwinding strength
- small cable weight
- good EMC characteristics

Applications:

- The DR 718 CP Highflex is used for spring cable reels on stages for example in theaters as well as control cable in crane arms

Technical Data:

| | |
|---|---|
| Nominal voltage: | U ₀ /U 300/500 V |
| Testing voltage: | 2000 V |
| Current-carrying capacity: | acc. to DIN VDE 0298-4, see page N/32 and 33 |
| Min. bending radius: | |
| for laying and installation (fixed laying): | 5 x d |
| for repeated winding action (flexible): | 7,5 x d |
| guided on deflection pulleys (flexible): | 10 x d |
| Temperature range | |
| fixed laying: | -50/+90 °C |
| flexible application: | -40/+90 °C |
| Halogen-free: | acc. to DIN VDE 0472 part 815 and IEC 60754-1 |
| Oil resistance: | very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10 |
| Chemical resistance: | good against acids, alkalines, solvents, hydraulic liquids, etc. |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2 |
| UV-resistance: | very good - enhanced due to black sheath colour |
| Tensile strength: | with reference to DIN VDE 0298-3 section 7.1 |
| Mechanical characteristics: | the main mechanical characteristics accomplished by the PUR outer sheath are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance |
| Absence of harmful substances: | acc. to RoHS guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24 see page N/14 |



Also possible without inner sheath!

| item no. | no. of cores x cross section n x mm ² | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km | tensile strength max. N | min breaking load of suspension unit N |
|----------|---|-----------------------|---------------------------|----------------------------|-------------------------------|--|
| 07182005 | 20 x 0,50 | 12,8 | 161,4 | 258 | 150 | 1600 |
| 07182505 | 25 x 0,50 | 14,9 | 192,7 | 331 | 187 | 1700 |
| 07182507 | 25 x 0,75 | 16,9 | 281,2 | 442 | 281 | 2000 |
| 07180410 | 4 x 1,00 | 8,0 | 62,2 | 103 | 60 | 1100 |
| 07181210 | 12 x 1,00 | 15,0 | 188,2 | 317 | 180 | 2000 |
| 07181810 | 18 x 1,00 | 14,5 | 237,2 | 348 | 270 | 2200 |
| 07182510 | 25 x 1,00 | 17,8 | 355,8 | 522 | 375 | 2400 |
| 07182610 | 26 x 1,00 | 17,8 | 365,4 | 533 | 390 | 2400 |
| 07180415 | 4 x 1,50 | 8,9 | 86,3 | 133 | 90 | 1340 |
| 07180515 | 5 x 1,50 | 10,2 | 120,8 | 175 | 112 | 1690 |
| 07180715 | 7 x 1,50 | 11,9 | 157,3 | 237 | 157 | 2150 |
| 07181215 | 12 x 1,50 | 16,9 | 274,0 | 419 | 270 | 2600 |
| 07181415 | 14 x 1,50 | 16,3 | 301,7 | 439 | 315 | 2600 |
| 07181615 | 16 x 1,50 | 16,3 | 330,5 | 451 | 360 | 2600 |
| 07181815 | 18 x 1,50 | 16,4 | 359,7 | 484 | 405 | 2600 |
| 07182415 | 24 x 1,50 | 18,2 | 463,3 | 618 | 540 | 2800 |
| 07183015 | 30 x 1,50 | 23,4 | 586,4 | 841 | 675 | 2900 |
| 07183715 | 37 x 1,50 | 22,2 | 681,1 | 893 | 832 | 3200 |
| 07180425 | 4 x 2,50 | 10,8 | 144,7 | 201 | 150 | 1345 |
| 07180525 | 5 x 2,50 | 11,9 | 176,5 | 248 | 187 | 2100 |
| 07180725 | 7 x 2,50 | 13,7 | 232,5 | 332 | 262 | 2500 |
| 07181225 | 12 x 2,50 | 19,9 | 418,0 | 610 | 450 | 2900 |

| item no. | no. of cores x cross section n x mm ² | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km | tensile strength max. N | min breaking load of suspension unit N |
|----------|---|-----------------------|---------------------------|----------------------------|-------------------------------|--|
| 07181825 | 18 x 2,50 | 19,5 | 561,7 | 709 | 675 | 3450 |
| 07182425 | 24 x 2,50 | 23,6 | 730,4 | 950 | 900 | 2600 |
| 07183025 | 30 x 2,50 | 26,8 | 892,0 | 1187 | 1125 | 4200 |
| 07183625 | 36 x 2,50 | 26,1 | 1035,8 | 1280 | 1350 | 5000 |
| 07184825 | 48 x 2,50 | 30,7 | 1353,0 | 1726 | 1800 | 6500 |
| 07185625 | 56 x 2,50 | 32,6 | 1547,8 | 1909 | 2100 | 7900 |
| 07180440 | 4 x 4,00 | 12,3 | 210,3 | 284 | 240 | 1690 |
| 07180540 | 5 x 4,00 | 13,7 | 256,5 | 346 | 300 | 2200 |
| 07180740 | 7 x 4,00 | 16,3 | 372,9 | 500 | 420 | 2600 |
| 07180460 | 4 x 6,00 | 13,7 | 302,9 | 388 | 360 | 1860 |
| 07180560 | 5 x 6,00 | 15,7 | 389,1 | 492 | 450 | 2300 |
| 07180760 | 7 x 6,00 | 18,9 | 518,7 | 690 | 630 | 2600 |
| 07180470 | 4 x 10,0 | 18,1 | 499,7 | 656 | 600 | 2900 |
| 07180570 | 5 x 10,0 | 20,3 | 609,5 | 808 | 750 | 3000 |
| 07180480 | 4 x 16,0 | 22,3 | 757,7 | 985 | 960 | 2800 |
| 07180580 | 5 x 16,0 | 24,9 | 926,6 | 1207 | 1200 | 3000 |
| 07180490 | 4 x 25,0 | 27,0 | 1131,6 | 1447 | 1500 | 3300 |
| 07180495 | 4 x 35,0 | 30,8 | 1542,9 | 1970 | 2100 | 3300 |
| 07180496 | 4 x 50,0 | 35,3 | 2147,7 | 2761 | 3000 | 3800 |

Other dimensions and colours are possible on request.
Please mention the required winding length when placing the order.

Note: Please pay attention to the installation instructions on page N/25!