



S.M.C

Aluminum Conductors Steel Reinforced (ACSR)

Conductors For Overhead Lines

Aluminum Conductor

Steel Reinforced (ACSR)



| Nominal Aluminum Area | Stranding: No. & nominal diameter of wires | | Total sectional area | Approx. overall diameter | Calculated DC resistance at 20 °C (Max.) | Approx. weight of conductor | Breaking Load | Stranded packing length | Drum size | Approx. Gross weight |
|-----------------------|--|----------|----------------------|--------------------------|--|-----------------------------|---------------|-------------------------|-----------|----------------------|
| | Sqm | Aluminum | | | | | | | | |
| 25 | 6/2.36 | 1 / 2.36 | 30.62 | 7.08 | 1.0930 | 106 | 9.61 | 3000 | D-10 | 380 |
| 30 | 6/2.59 | 36.88 | 36.88 | 7.77 | 0.9077 | 128 | 11.45 | 3000 | D-10 | 440 |
| 40 | 6/3.00 | 1/3.00 | 49.48 | 9.00 | 0.6766 | 172 | 15.20 | 3000 | D-10 | 580 |
| 50 | 6/3.35 | 1/3.35 | 61.70 | 10.05 | 0.5426 | 214 | 18.35 | 3000 | D-12 | 750 |
| 70 | 12/2.79 | 7/2.79 | 116.20 | 13.95 | 0.3936 | 538 | 61.20 | 3000 | D-14 | 1170 |
| 100 | 6/4.72 | 7/1.57 | 118.50 | 14.15 | 0.2733 | 394 | 32.70 | 3000 | D-16 | 1390 |
| 150 | 30/2.59 | 7/2.59 | 194.90 | 18.13 | 0.1828 | 726 | 69.20 | 3000 | D-18 | 2420 |
| 150 | 18/3.35 | 1/3.35 | 167.50 | 16.75 | 0.1815 | 506 | 35.70 | 3000 | D-16 | 1730 |
| 175 | 30/2.79 | 7/2.79 | 226.20 | 19.53 | 0.1576 | 842 | 79.80 | 3000 | D-18 | 2770 |
| 175 | 18/3.61 | 1/3.61 | 194.50 | 18.03 | 0.1563 | 587 | 41.10 | 3000 | D-18 | 2000 |
| 200 | 30/3.00 | 7/3.00 | 261.50 | 21.00 | 0.1363 | 974 | 92.25 | 3000 | D-18 | 3160 |
| 200 | 18/3.86 | 1/3.86 | 222.30 | 19.30 | 0.1367 | 671 | 46.55 | 3000 | D-18 | 2250 |
| 400 | 54/3.18 | 7/3.18 | 484.50 | 28.62 | 0.0674 | 1621 | 131.90 | 2500 | D-22 | 4530 |

Conductors conform to BS 215 (part 2) 1970