

Aluminum Conductor Steel Reinforced

GB/T1179-2008, Specification for Aluminum Conductor Aluminum-Cald Steel Reinforced (ACSR/AW)

Physical and Electrical Properties

| Code Name | Area | No./Dia.of Stranding Wires | | Approx. Overall Dia. | Approx. Weight |
|-----------|--------|----------------------------|---------|----------------------|----------------|
| | Al/AW | Alum. | AW. | | |
| | | No./mm | No./mm | mm | kg/km |
| 16 | 15/3 | 6/1.81 | 1/1.81 | 5.43 | 59 |
| 25 | 24/4 | 6/2.67 | 1/2.67 | 8.01 | 92 |
| 40 | 38/5 | 6/2.85 | 1/2.85 | 8.55 | 147.4 |
| 63 | 60/10 | 6/3.58 | 1/3.58 | 10.7 | 232.2 |
| 100 | 95/15 | 6/4.51 | 1/4.51 | 13.5 | 232.2 |
| 125 | 125/5 | 18/2.95 | 1/2.95 | 14.8 | 384.3 |
| 125 | 120/20 | 26/2.43 | 7/1.89 | 15.4 | 460.8 |
| 160 | 160/10 | 18/3.34 | 1/3.34 | 16.7 | 491.9 |
| 160 | 155/25 | 26/2.74 | 7/2.13 | 17.4 | 589.8 |
| 200 | 210/10 | 18/3.74 | 1/3.74 | 18.7 | 614.9 |
| 200 | 200/30 | 26/3.07 | 7/2.39 | 19.4 | 737.2 |
| 250 | 250/25 | 22/3.76 | 7/2.09 | 21.3 | 830.9 |
| 250 | 250/40 | 26/3.43 | 7/2.67 | 21.7 | 921.5 |
| 315 | 310/20 | 45/2.96 | 7/1.97 | 23.7 | 996.4 |
| 315 | 300/50 | 26/3.85 | 7/2.99 | 24.4 | 1161 |
| 400 | 395/25 | 45/3.34 | 7/2.22 | 26.7 | 1265 |
| 400 | 387/50 | 54/3.02 | 7/3.02 | 27.2 | 1403 |
| 450 | 440/30 | 45/3.54 | 7/2.36 | 28.3 | 1423 |
| 450 | 435/35 | 54/3.21 | 7/3.21 | 28.9 | 1578 |
| 500 | 485/60 | 45/3.73 | 7/2.49 | 29.8 | 1581 |
| 500 | 485/60 | 54/3.38 | 7/3.38 | 30.4 | 1753 |
| 560 | 550/40 | 45/3.95 | 7/2.63 | 31.6 | 1772 |
| 560 | 545/70 | 54/3.58 | 19/2.15 | 32.2 | 1956 |