

圆线同心绞架空导线

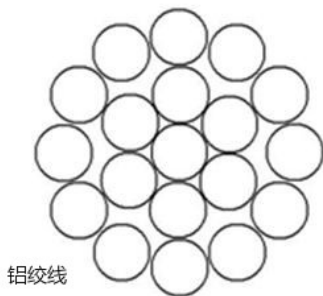
Round Wire Concentric Lay Overhead Electrical Stranded Conductors

本产品主要用于架空电力线路。 The product is mainly used for overhead power lines.

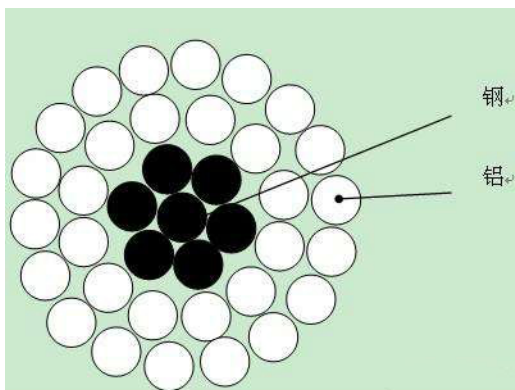
一、产品执行标准 Product Standard:

GB/T 1179-2008eqv IEC61089:1991

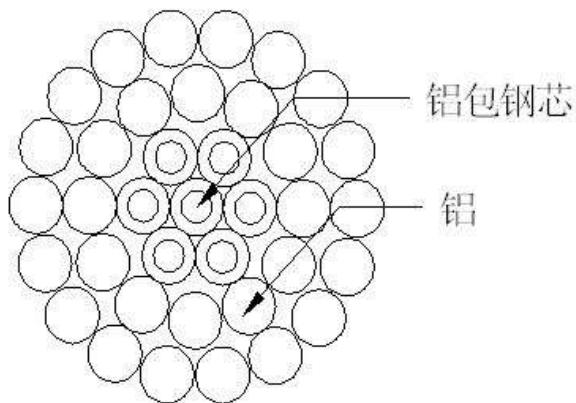
二、产品结构图 Product structure sketch map:



铝绞线 (Aluminium stranded conductors)



钢芯铝绞线 (Aluminium Stranded Conductors Steel Reinforced)



铝包钢芯铝绞线 (Aluminum Stranded Conductors Aluminum-coated Steel Reinforced)

三、产品参数

JL 铝绞线性能

Characteristics of Aluminium Stranded Conductors

| 标称截面 铝 Nominal section | 规格 specification | 面积 Area (mm ²) | 单线根数 Single wire number (n) | 直径 | | 单位长度质 量 Weight (kg/km) | 额定抗拉力⊥ Rated strength tensile (kN) | 20℃直流电阻 ⊥ D.C.resistance at20℃ not more than (Ω /km) |
|---------------------------------|---------------------|----------------------------------|--------------------------------------|----------------------|------------------------------|---------------------------------|---|--|
| | | | | 单线 Single wire | 绞线 Stranded conductors | | | |
| 10 | 10 | 10 | 7 | 1.35 | 4.05 | 27.4 | 1.95 | 2.8633 |
| 16 | 16 | 16 | 7 | 1.71 | 5.12 | 43.8 | 3.04 | 1.7896 |
| 25 | 25 | 25 | 7 | 2.13 | 6.40 | 68.4 | 4.50 | 1.1453 |
| 35 | 35 | 34.36 | 7 | 2.50 | 7.50 | 94.0 | 6.01 | 0.8333 |
| 40 | 40 | 40 | 7 | 2.70 | 8.09 | 109.4 | 6.80 | 0.7158 |
| 50 | 50 | 49.48 | 7 | 3.00 | 9.00 | 135.3 | 8.41 | 0.5787 |
| 63 | 63 | 63 | 7 | 3.39 | 10.2 | 172.3 | 10.39 | 0.4545 |
| 70 | 70 | 71.25 | 7 | 3.60 | 10.8 | 194.9 | 11.40 | 0.4019 |
| 95 | 95 | 95.14 | 7 | 4.16 | 12.5 | 260.2 | 15.22 | 0.3010 |
| 100 | 100 | 100 | 19 | 2.59 | 12.9 | 274.8 | 17.00 | 0.2877 |
| 120 | 120 | 121.21 | 19 | 2.85 | 14.3 | 333.2 | 20.61 | 0.2374 |
| 125 | 125 | 125 | 19 | 2.89 | 14.5 | 343.6 | 21.25 | 0.2302 |
| 150 | 150 | 148.07 | 19 | 3.15 | 15.8 | 407.0 | 24.43 | 0.1943 |
| 160 | 160 | 160 | 19 | 3.27 | 16.4 | 439.8 | 26.40 | 0.1798 |
| 185 | 185 | 182.80 | 19 | 3.50 | 17.5 | 502.4 | 30.16 | 0.1574 |
| 200 | 200 | 200 | 19 | 3.66 | 18.3 | 549.7 | 32.00 | 0.1439 |
| 210 | 210 | 209.85 | 19 | 3.75 | 18.8 | 576.8 | 33.58 | 0.1371 |
| 240 | 240 | 238.76 | 19 | 4.00 | 20.0 | 656.3 | 38.20 | 0.1205 |
| 250 | 250 | 250 | 19 | 4.09 | 20.5 | 687.1 | 40.00 | 0.1151 |
| 300 | 300 | 297.57 | 37 | 3.20 | 22.4 | 819.8 | 49.10 | 0.0969 |
| 315 | 315 | 315 | 37 | 3.29 | 23.0 | 867.9 | 51.97 | 0.0916 |
| 400 | 400 | 400 | 37 | 3.71 | 26.0 | 1102.0 | 64.00 | 0.0721 |
| 450 | 450 | 450 | 37 | 3.94 | 27.5 | 1239.8 | 72.00 | 0.0641 |
| 500 | 500 | 500 | 37 | 4.15 | 29.0 | 1377.6 | 80.00 | 0.0577 |
| 500 | 500 | 502.90 | 37 | 4.16 | 29.1 | 1385.5 | 80.46 | 0.0573 |
| 560 | 560 | 560 | 37 | 4.39 | 30.7 | 1542.9 | 89.60 | 0.0515 |
| 630 | 630 | 630 | 61 | 3.63 | 32.6 | 1738.3 | 100.80 | 0.0458 |
| 710 | 710 | 710 | 61 | 3.85 | 34.6 | 1959.1 | 113.60 | 0.0407 |
| 800 | 800 | 800 | 61 | 4.09 | 36.8 | 2207.4 | 128.00 | 0.0361 |

JL/G1A、JL/G1B、JL/G2A、JL/G2B、JL/G3A 钢芯铝绞线性能

Characteristics of Aluminium Stranded Conductors Steel Reinforced

| 标称截面 铝/钢 Nominal section Aluminium / Steel | 规格 specific -ation | 钢比 (%) Steel propor- tion | 面积 Area (mm ²) | | | 单线根数(n) Single wire number | | 单线直径(mm) Single wire diameter | | 直径(mm) Diameter external | | 单位 长度 质量 Weight (kg/km) | 额定拉断力/KN Rated strength tensile | | | | | 20℃直流电阻↗ D.C.resistance at20℃ not more than (Ω /km) |
|---|--------------------------|---------------------------------------|----------------------------------|------------|-------------|----------------------------------|------------|-------------------------------------|------------|---------------------------------|------------------------------|-------------------------------------|------------------------------------|--------|--------|--------|--------|--|
| | | | 铝 Alumi- nium | 钢 Steel | 总和 Total | 铝 Alumi- nium | 钢 Steel | 铝 Alumi- nium | 钢 Steel | 钢芯 Steel Stranded wire | 绞线 Stranded conductors | | JL/G1A | JL/G1B | JL/G2A | JL/G2B | JL/G3A | |
| 16/3 | 16 | 17 | 16 | 2.67 | 18.7 | 6 | 1 | 1.84 | 1.84 | 1.84 | 5.53 | 64.6 | 6.08 | 5.89 | 6.45 | 6.27 | 6.83 | 1.7934 |
| 25/4 | 25 | 17 | 25 | 4.17 | 29.2 | 6 | 1 | 2.30 | 2.30 | 2.30 | 6.91 | 100.9 | 9.13 | 8.83 | 9.71 | 9.42 | 10.25 | 1.1478 |
| 40/6 | 40 | 17 | 40 | 6.67 | 46.7 | 6 | 1 | 2.91 | 2.91 | 2.91 | 8.74 | 161.5 | 14.40 | 13.93 | 15.33 | 14.87 | 16.20 | 0.7174 |
| 65/10 | 63 | 17 | 63 | 10.5 | 73.5 | 6 | 1 | 3.66 | 3.66 | 3.66 | 11.0 | 254.4 | 21.63 | 20.58 | 22.37 | 21.63 | 24.15 | 0.4555 |
| 100/17 | 100 | 17 | 100 | 16.7 | 117 | 6 | 1 | 4.61 | 4.61 | 4.61 | 13.83 | 403.8 | 34.33 | 32.67 | 35.50 | 34.33 | 38.33 | 0.2869 |
| 125/7 | 125 | 6 | 125 | 6.94 | 132 | 18 | 1 | 2.97 | 2.97 | 2.97 | 14.9 | 397.9 | 29.17 | 28.68 | 30.14 | 29.65 | 31.04 | 0.2304 |
| 125/20 | 125 | 16 | 125 | 20.4 | 145 | 26 | 7 | 2.47 | 1.92 | 5.77 | 15.7 | 503.9 | 45.69 | 44.27 | 48.54 | 47.12 | 51.39 | 0.2310 |
| 160/9 | 160 | 6 | 160 | 8.89 | 169 | 18 | 1 | 3.36 | 3.36 | 3.36 | 16.8 | 509.3 | 36.18 | 35.29 | 37.42 | 36.80 | 38.67 | 0.1800 |
| 160/26 | 160 | 16 | 160 | 26.1 | 186 | 26 | 7 | 2.80 | 2.18 | 6.53 | 17.7 | 644.9 | 57.69 | 55.86 | 61.34 | 59.51 | 64.99 | 0.1805 |
| 200/11 | 200 | 6 | 200 | 11.1 | 211 | 18 | 1 | 3.76 | 3.76 | 3.76 | 18.8 | 636.7 | 44.22 | 43.11 | 45.00 | 44.22 | 46.89 | 0.1440 |
| 200/32 | 200 | 16 | 200 | 32.6 | 233 | 26 | 7 | 3.13 | 2.43 | 7.30 | 19.8 | 806.2 | 70.13 | 67.85 | 74.69 | 72.41 | 78.93 | 0.1444 |
| 250/25 | 250 | 10 | 250 | 24.6 | 275 | 22 | 7 | 3.80 | 2.11 | 6.34 | 21.6 | 880.6 | 68.72 | 67.01 | 72.16 | 70.44 | 75.60 | 0.1154 |
| 250/40 | 250 | 7 | 250 | 40.7 | 291 | 26 | 7 | 3.50 | 2.72 | 8.16 | 22.2 | 1007.7 | 87.67 | 84.82 | 93.37 | 90.52 | 98.66 | 0.1155 |
| 315/22 | 315 | 16 | 315 | 21.8 | 337 | 45 | 7 | 2.99 | 1.99 | 5.97 | 23.9 | 1039.6 | 79.03 | 77.51 | 82.08 | 80.55 | 85.13 | 0.0917 |
| 315/50 | 315 | 16 | 315 | 51.3 | 366 | 26 | 7 | 3.93 | 3.05 | 9.16 | 24.9 | 1269.7 | 106.83 | 101.70 | 114.02 | 110.43 | 121.20 | 0.0917 |
| 400/28 | 400 | 7 | 400 | 27.7 | 428 | 45 | 7 | 3.36 | 2.24 | 6.73 | 26.9 | 1320.1 | 98.36 | 96.42 | 102.23 | 100.29 | 106.10 | 0.0722 |
| 400/50 | 400 | 13 | 400 | 51.9 | 452 | 54 | 7 | 3.07 | 3.07 | 9.21 | 27.6 | 1510.3 | 123.04 | 117.85 | 130.30 | 126.67 | 137.56 | 0.0723 |
| 450/30 | 450 | 7 | 450 | 31.1 | 481 | 45 | 7 | 3.57 | 2.38 | 7.14 | 28.5 | 1485.2 | 107.47 | 105.29 | 111.82 | 109.64 | 115.87 | 0.0642 |
| 450/60 | 450 | 13 | 450 | 58.3 | 508 | 54 | 7 | 3.26 | 3.26 | 9.77 | 29.3 | 1699.1 | 138.42 | 132.58 | 146.58 | 142.50 | 154.75 | 0.0643 |
| 500/35 | 500 | 7 | 500 | 34.6 | 535 | 45 | 7 | 3.76 | 2.51 | 7.52 | 30.1 | 1650.2 | 119.41 | 116.99 | 124.25 | 121.83 | 128.74 | 0.0578 |
| 500/65 | 500 | 13 | 500 | 64.8 | 565 | 54 | 7 | 30.43 | 3.43 | 10.3 | 30.9 | 1887.9 | 153.80 | 147.31 | 162.87 | 158.33 | 171.94 | 0.0578 |
| 560/40 | 560 | 7 | 560 | 38.7 | 599 | 45 | 7 | 3.98 | 2.65 | 7.96 | 31.8 | 1848.2 | 133.74 | 131.03 | 139.16 | 136.45 | 144.19 | 0.0516 |
| 560/70 | 560 | 13 | 560 | 70.9 | 631 | 54 | 19 | 3.63 | 2.18 | 10.9 | 32.7 | 2103.4 | 172.59 | 167.63 | 182.52 | 177.56 | 192.45 | 0.0516 |
| 630/45 | 630 | 7 | 630 | 43.6 | 674 | 45 | 7 | 4.22 | 2.81 | 8.44 | 33.8 | 2079.2 | 150.45 | 147.40 | 156.55 | 153.50 | 162.21 | 0.0459 |
| 630/80 | 630 | 13 | 630 | 79.8 | 710 | 54 | 19 | 3.85 | 2.31 | 11.6 | 34.7 | 2366.3 | 191.77 | 186.19 | 202.94 | 197.36 | 213.32 | 0.0459 |
| 710/50 | 710 | 7 | 710 | 49.1 | 759 | 45 | 7 | 4.48 | 2.99 | 8.96 | 35.9 | 2343.2 | 169.56 | 166.12 | 176.43 | 172.99 | 282.81 | 0.0407 |
| 710/90 | 710 | 13 | 710 | 89.9 | 800 | 54 | 19 | 4.09 | 2.45 | 12.3 | 36.8 | 2666.8 | 216.12 | 209.83 | 228.71 | 222.42 | 240.41 | 0.0407 |

注：表中性能同样适用于 JL/G1AF、JL/G2AF、JL/G3AF 防腐型钢芯铝绞线，但单位长度质量应按标准 GB/T1179-2008 附录 C 的计算方法计算。

Note:The values in table above also can be used for types of JL/G1AF、JL/G2AF、JL/G3AF anti-corrosive ACSR.The calculated method see the appendix C of GB/T1179-2008.

国内常用规格：JL/G1A 钢芯铝绞线性能
Domestic Common Specification: Characteristics of JL/G1A Aluminium Stranded Conductors Steel Reinforced

| 标称 截面 铝/钢 Nominal section | 钢比 (%) Steel propor- tion | 面积 Area (mm ²) | | | 单线根数 (n) Single wire number | | 单线直径 (mm) Single wire diameter | | 直径 (mm) Diameter External | | 单位 长度 质量 Weight (kg/km) | 额定抗拉力 /KN Rated strength tensile | 20℃直流电阻 D.C.resistance at20℃ not more than (Ω /km) |
|---------------------------------------|---------------------------------------|----------------------------------|------------|-------------|--------------------------------------|------------|---|------------|---------------------------------|------------------------------|-------------------------------------|---|--|
| | | 铝 Alumi- nium | 钢 Steel | 总和 Total | 铝 Alumi- nium | 钢 Steel | 铝 Alumi- nium | 钢 Steel | 钢芯 Steel Stranded wire | 绞线 Stranded conductors | | | |
| 10/2 | 17 | 10.60 | 1.77 | 12.37 | 6 | 1 | 1.50 | 1.50 | 1.50 | 4.50 | 42.8 | 4.14 | 2.7062 |
| 16/3 | 17 | 16.13 | 2.69 | 18.82 | 6 | 1 | 1.85 | 1.85 | 1.85 | 5.55 | 65.1 | 6.13 | 1.7791 |
| 35/6 | 17 | 34.86 | 5.81 | 40.67 | 6 | 1 | 2.72 | 2.72 | 2.72 | 8.16 | 140.8 | 12.55 | 0.8230 |
| 50/8 | 17 | 48.25 | 8.04 | 56.30 | 6 | 1 | 3.20 | 3.20 | 3.20 | 9.60 | 194.8 | 16.81 | 0.5946 |
| 50/30 | 58 | 50.73 | 29.59 | 80.32 | 12 | 7 | 2.32 | 2.32 | 6.96 | 11.6 | 371.1 | 42.61 | 0.5693 |
| 70/10 | 17 | 68.05 | 11.34 | 79.39 | 6 | 1 | 3.80 | 3.80 | 3.80 | 11.4 | 274.8 | 23.36 | 0.4217 |
| 70/40 | 58 | 69.73 | 40.67 | 110.40 | 12 | 7 | 2.72 | 2.72 | 8.16 | 13.6 | 510.2 | 58.22 | 0.4141 |
| 95/15 | 16 | 94.39 | 15.33 | 109.73 | 26 | 7 | 2.15 | 1.67 | 5.01 | 13.6 | 380.2 | 34.93 | 0.3059 |
| 95/20 | 20 | 95.14 | 18.82 | 113.96 | 7 | 7 | 4.16 | 1.85 | 5.55 | 13.9 | 408.2 | 37.24 | 0.3020 |
| 95/55 | 58 | 96.51 | 56.30 | 152.81 | 12 | 7 | 3.20 | 3.20 | 9.60 | 16.0 | 706.1 | 77.85 | 0.2992 |
| 120/7 | 6 | 118.89 | 6.61 | 125.50 | 18 | 1 | 2.90 | 2.90 | 2.90 | 14.5 | 378.5 | 27.74 | 0.2422 |
| 120/20 | 16 | 115.67 | 18.82 | 134.49 | 26 | 7 | 2.38 | 1.85 | 5.55 | 15.1 | 466.1 | 42.26 | 0.2496 |
| 120/25 | 20 | 122.48 | 24.25 | 146.73 | 7 | 7 | 4.72 | 2.10 | 6.30 | 15.7 | 525.7 | 47.96 | 0.2346 |
| 120/70 | 58 | 122.15 | 71.25 | 193.40 | 12 | 7 | 3.60 | 3.60 | 10.8 | 18.0 | 893.7 | 97.92 | 0.2364 |
| 150/8 | 6 | 144.76 | 8.04 | 152.80 | 18 | 1 | 3.20 | 3.20 | 3.20 | 16.0 | 160.9 | 32.73 | 0.1990 |
| 150/20 | 13 | 145.68 | 18.82 | 164.50 | 24 | 7 | 2.78 | 1.85 | 5.55 | 16.7 | 548.5 | 46.78 | 0.1981 |
| 150/25 | 16 | 148.86 | 24.25 | 173.11 | 26 | 7 | 2.70 | 2.10 | 6.30 | 17.1 | 600.1 | 53.67 | 0.1940 |
| 150/35 | 23 | 147.26 | 34.36 | 181.62 | 30 | 7 | 2.50 | 2.50 | 7.50 | 17.5 | 675.0 | 64.94 | 0.1962 |
| 185/10 | 6 | 183.22 | 10.18 | 193.40 | 18 | 1 | 3.60 | 3.60 | 3.60 | 18.0 | 583.3 | 40.51 | 0.1572 |
| 185/25 | 13 | 187.03 | 24.25 | 211.28 | 24 | 7 | 3.15 | 2.10 | 6.30 | 18.9 | 704.9 | 59.23 | 0.1543 |
| 185/30 | 16 | 181.34 | 29.59 | 210.93 | 26 | 7 | 2.98 | 2.32 | 6.96 | 18.9 | 731.4 | 64.56 | 0.1592 |
| 185/45 | 23 | 184.73 | 43.10 | 227.83 | 30 | 7 | 2.80 | 2.80 | 8.40 | 19.6 | 846.7 | 80.54 | 0.1564 |
| 210/10 | 6 | 204.14 | 11.34 | 215.48 | 18 | 1 | 3.80 | 3.80 | 3.80 | 19.0 | 649.9 | 45.14 | 0.1411 |
| 210/25 | 13 | 209.02 | 27.10 | 236.12 | 24 | 7 | 3.33 | 2.22 | 6.66 | 20.0 | 787.8 | 66.19 | 0.1380 |
| 210/35 | 16 | 211.73 | 34.36 | 246.09 | 26 | 7 | 3.22 | 2.50 | 7.50 | 20.4 | 852.5 | 74.11 | 0.1364 |
| 210/50 | 23 | 209.24 | 48.82 | 258.06 | 30 | 7 | 2.98 | 2.98 | 8.94 | 20.9 | 959.0 | 91.23 | 0.1381 |
| 240/30 | 13 | 244.29 | 31.67 | 275.96 | 24 | 7 | 3.60 | 2.40 | 7.20 | 21.6 | 920.7 | 75.19 | 0.1181 |
| 240/40 | 16 | 238.84 | 38.90 | 277.74 | 26 | 7 | 3.42 | 2.66 | 7.98 | 21.7 | 962.8 | 83.76 | 0.1209 |
| 240/55 | 23 | 241.27 | 56.30 | 297.57 | 30 | 7 | 3.20 | 3.20 | 9.60 | 22.4 | 1105.8 | 101.74 | 0.1198 |
| 300/15 | 5 | 296.88 | 15.33 | 312.21 | 42 | 7 | 3.00 | 1.67 | 5.01 | 23.0 | 938.7 | 68.41 | 0.0973 |
| 300/20 | 7 | 303.42 | 20.91 | 324.32 | 45 | 7 | 2.93 | 1.95 | 5.85 | 23.4 | 1000.8 | 76.04 | 0.0952 |
| 300/25 | 9 | 306.21 | 27.10 | 333.31 | 48 | 7 | 2.85 | 2.22 | 6.66 | 23.8 | 1057.0 | 83.76 | 0.0944 |
| 300/40 | 13 | 300.09 | 38.90 | 338.99 | 24 | 7 | 3.99 | 2.66 | 7.98 | 23.9 | 1131.0 | 92.36 | 0.0961 |
| 300/50 | 16 | 299.54 | 48.82 | 348.37 | 26 | 7 | 3.83 | 2.98 | 8.94 | 24.3 | 1207.7 | 103.58 | 0.0964 |
| 300/70 | 23 | 305.36 | 71.25 | 376.61 | 30 | 7 | 3.60 | 3.60 | 10.8 | 25.2 | 1399.6 | 127.23 | 0.0946 |
| 400/20 | 5 | 406.40 | 20.91 | 427.31 | 42 | 7 | 3.51 | 1.95 | 5.85 | 26.9 | 1248.3 | 89.48 | 0.0710 |
| 400/25 | 7 | 391.91 | 27.10 | 419.01 | 45 | 7 | 3.33 | 2.22 | 6.66 | 26.6 | 1293.5 | 96.37 | 0.0737 |
| 400/35 | 9 | 390.88 | 34.36 | 425.24 | 48 | 7 | 3.22 | 2.50 | 7.50 | 26.8 | 1347.5 | 103.67 | 0.0739 |
| 400/65 | 16 | 398.94 | 65.06 | 464.00 | 26 | 7 | 4.42 | 3.44 | 10.3 | 28.0 | 1608.7 | 135.39 | 0.0724 |
| 400/95 | 23 | 407.75 | 93.27 | 501.02 | 30 | 19 | 4.16 | 2.50 | 12.5 | 29.1 | 1856.7 | 171.56 | 0.0709 |
| 500/45 | 9 | 488.58 | 43.10 | 531.68 | 48 | 7 | 3.60 | 2.80 | 8.40 | 30.0 | 1685.5 | 127.31 | 0.0591 |
| 630/55 | 9 | 639.92 | 56.30 | 696.22 | 48 | 7 | 4.12 | 3.20 | 9.60 | 34.3 | 2206.4 | 164.31 | 0.0452 |

JL/LB1A 铝包钢芯铝绞线性能 (Characteristics of Aluminum Stranded Conductors Aluminum-coated Steel Reinforced)

| 标称 截面 铝/铝包钢 Nominal section | 规格 specification | 钢比 (%) Steel proportion | 面积 Area (mm ²) | | | 单线根数(n) Single wire number | | 单线直径(mm) Single wire diameter | | 直径(mm) Diameter external | | 单位 长度 质量 Weight (kg/km) | 额定拉断力 /KN Rated strength tensile | 20℃直流电阻≠ D.C.resistance at20℃ not more than (Ω /km) |
|---|---------------------|-------------------------------|----------------------------------|----------------------------------|-------------|----------------------------------|-------------------------------------|-------------------------------------|----------------------------------|---|------------------------------|-------------------------------------|---|---|
| | | | 铝 Alumi- nium | 铝包钢 Aluminum- coated steel | 总和 Total | 铝 Alumi- nium | 铝包钢 Aluminum -coated steel | 铝 Alumi- nium | 铝包钢 Aluminum- coated steel | 铝包钢芯 Aluminum -coated steel-core | 绞线 stranded conductors | | | |
| 15/3 | 16 | 16.7 | 15 | 2.56 | 17.9 | 6 | 1 | 1.81 | 1.81 | 1.81 | 5.43 | 59.0 | 5.91 | 1.7923 |
| 24/4 | 25 | 16.7 | 24 | 4.00 | 28.0 | 6 | 1 | 2.26 | 2.26 | 2.26 | 6.78 | 92.1 | 9.00 | 1.1471 |
| 38/5 | 40 | 16.7 | 38 | 6.40 | 44.8 | 6 | 1 | 2.85 | 2.85 | 2.85 | 8.55 | 147.4 | 14.21 | 0.7169 |
| 60/10 | 63 | 16.7 | 60 | 10.08 | 70.6 | 6 | 1 | 3.58 | 3.58 | 3.58 | 10.7 | 232.2 | 21.17 | 0.4552 |
| 95/15 | 100 | 16.7 | 96 | 16.00 | 112 | 6 | 1 | 4.51 | 4.51 | 4.51 | 13.5 | 368.6 | 31.84 | 0.2868 |
| 125/5 | 125 | 5.6 | 123 | 6.85 | 130 | 18 | 1 | 2.95 | 2.95 | 2.95 | 14.8 | 384.3 | 29.18 | 0.2304 |
| 120/20 | 125 | 16.3 | 120 | 19.6 | 140 | 26 | 7 | 2.43 | 1.89 | 5.66 | 15.4 | 460.8 | 44.49 | 0.2308 |
| 160/10 | 160 | 5.6 | 158 | 8.77 | 167 | 18 | 1 | 3.34 | 3.34 | 3.34 | 16.7 | 491.9 | 36.38 | 0.1800 |
| 155/25 | 160 | 16.3 | 154 | 25.00 | 179 | 26 | 7 | 2.74 | 2.13 | 6.40 | 17.4 | 589.8 | 56.18 | 0.1803 |
| 200/10 | 200 | 5.6 | 197 | 10.96 | 208 | 18 | 1 | 3.74 | 3.74 | 3.74 | 18.7 | 614.9 | 43.62 | 0.1440 |
| 200/30 | 200 | 16.3 | 192 | 31.3 | 223 | 26 | 7 | 3.07 | 2.39 | 7.16 | 19.4 | 737.2 | 69.27 | 0.1443 |
| 250/25 | 250 | 9.8 | 244 | 24.0 | 268 | 22 | 7 | 3.76 | 2.09 | 6.26 | 21.3 | 830.9 | 67.80 | 0.1153 |
| 250/40 | 250 | 16.3 | 240 | 39.1 | 279 | 26 | 7 | 3.43 | 2.67 | 8.00 | 21.7 | 921.5 | 86.58 | 0.1154 |
| 310/20 | 315 | 6.9 | 310 | 21.4 | 331 | 45 | 7 | 2.96 | 1.97 | 5.92 | 23.7 | 996.4 | 78.33 | 0.0917 |
| 300/50 | 315 | 16.3 | 303 | 49.3 | 352 | 26 | 7 | 3.85 | 2.99 | 8.98 | 24.4 | 1161.1 | 107.58 | 0.0916 |
| 395/25 | 400 | 6.9 | 393 | 27.2 | 420 | 45 | 7 | 3.34 | 2.22 | 6.67 | 26.7 | 1265.3 | 97.50 | 0.0722 |
| 387/50 | 400 | 13.0 | 387 | 50.2 | 438 | 54 | 7 | 3.02 | 3.02 | 9.07 | 27.2 | 1402.9 | 124.20 | 0.0723 |
| 440/30 | 450 | 6.9 | 442 | 30.6 | 473 | 45 | 7 | 3.54 | 2.36 | 7.08 | 28.3 | 1423.4 | 107.48 | 0.0642 |
| 435/35 | 450 | 13.0 | 436 | 36.5 | 492 | 54 | 7 | 3.21 | 3.21 | 9.62 | 28.9 | 1578.2 | 139.7 | 0.0642 |
| 490/35 | 500 | 6.9 | 492 | 34.0 | 525 | 45 | 7 | 3.73 | 2.49 | 7.46 | 29.8 | 1581.6 | 119.4 | 0.0578 |

| | | | | | | | | | | | | | | |
|--------|-----|------|-----|------|-----|----|----|------|------|-------|------|--------|--------|--------|
| 485/60 | 500 | 13.0 | 484 | 62.8 | 547 | 54 | 7 | 3.38 | 3.38 | 10.14 | 30.4 | 1753.6 | 153.9 | 0.0578 |
| 550/40 | 560 | 6.9 | 550 | 38.1 | 589 | 45 | 7 | 3.95 | 2.63 | 7.89 | 31.6 | 1771.4 | 133.7 | 0.0516 |
| 545/70 | 560 | 12.7 | 543 | 68.8 | 612 | 54 | 19 | 3.58 | 2.15 | 10.73 | 32.2 | 1956.3 | 169.3 | 0.0516 |
| 620/40 | 630 | 6.9 | 619 | 42.8 | 662 | 45 | 7 | 4.19 | 2.79 | 8.37 | 33.5 | 1992.8 | 150.47 | 0.0458 |
| 610/75 | 630 | 12.7 | 611 | 77.3 | 688 | 54 | 19 | 3.79 | 2.28 | 11.38 | 34.2 | 2200.9 | 190.5 | 0.0459 |
| 700/50 | 710 | 6.9 | 698 | 48.3 | 746 | 45 | 7 | 4.44 | 2.96 | 8.89 | 35.6 | 2245.8 | 169.5 | 0.0407 |
| 700/85 | 710 | 12.7 | 688 | 87.2 | 775 | 54 | 19 | 4.03 | 2.42 | 12.08 | 36.3 | 2480.3 | 214.7 | 0.0407 |