

CABLES Y ALAMBRES DESNUDOS DE COBRE (1)



| Calibre | No. Hilos | Diámetro Hilo | Área | Diámetro conductor | Peso Conductor Aprox. | Resistencia Eléctrica DC a 20°C | | | Carga a la Ruptura Nominal | | Capacidad Corriente Aire Libre | Reactancia Inductiva | Reactancia Capacitiva |
|-------------|-----------|---------------|-----------------|--------------------|-----------------------|---------------------------------|----------|-------|----------------------------|------|--------------------------------|----------------------|-----------------------|
| | | | | | | Suave | Semiduro | Duro | Semiduro | Duro | | | |
| | | | | | | Ω/Km | Ω/Km | Ω/Km | Kg | Kg | | | |
| AWG ó Kcmil | | mm | mm ² | mm | Kg/Km | Ω/Km | Ω/Km | Ω/Km | Kg | Kg | A | Ω/Km | Ω/Km |
| 30 | 1 | 0.25 | 0.05 | 0.254 | 0.45 | 347.1 | 359.1 | 360.9 | N/A | N/A | 3.7 | 0.6057 | 0.3715 |
| 28 | 1 | 0.32 | 0.08 | 0.321 | 0.716 | 214.0 | 221.4 | 222.5 | N/A | N/A | 4.9 | 0.588 | 0.3604 |
| 26 | 1 | 0.41 | 0.13 | 0.405 | 1.14 | 137.2 | 141.9 | 142.7 | N/A | N/A | 6.5 | 0.5705 | 0.3493 |
| 24 | 1 | 0.51 | 0.20 | 0.511 | 1.82 | 84.22 | 87.13 | 87.59 | N/A | N/A | 8.6 | 0.553 | 0.3382 |
| 22 | 1 | 0.64 | 0.32 | 0.643 | 2.88 | 53.16 | 55.0 | 55.29 | N/A | N/A | 11 | 0.5357 | 0.3272 |
| 20 | 1 | 0.81 | 0.52 | 0.812 | 4.60 | 33.36 | 34.51 | 34.69 | N/A | N/A | 15 | 0.5181 | 0.3161 |
| 18 | 1 | 1.02 | 0.82 | 1.02 | 7.30 | 21.0 | 21.73 | 21.84 | 33 | 39 | 20 | 0.5006 | 0.305 |
| 16 | 1 | 1.29 | 1.31 | 1.29 | 11.62 | 13.19 | 13.64 | 13.72 | 53 | 61 | 27 | 0.4831 | 0.2939 |
| 14 | 1 | 1.63 | 2.08 | 1.63 | 18.51 | 8.28 | 8.57 | 8.61 | 83 | 97 | 36 | 0.4656 | 0.2828 |
| 12 | 1 | 2.05 | 3.31 | 2.05 | 29.42 | 5.21 | 5.39 | 5.42 | 132 | 154 | 48 | 0.4481 | 0.2718 |
| 10 | 1 | 2.59 | 5.26 | 2.59 | 46.76 | 3.28 | 3.39 | 3.41 | 210 | 239 | 68 | 0.4307 | 0.2607 |
| 8 | 1 | 3.26 | 8.36 | 3.26 | 74.37 | 2.06 | 2.13 | 2.14 | 333 | 375 | 92 | 0.4132 | 0.2496 |
| 6 | 1 | 4.12 | 13.30 | 4.12 | 118.2 | 1.30 | 1.34 | 1.35 | 529 | 583 | 125 | 0.3957 | 0.2386 |
| 4 | 1 | 5.19 | 21.15 | 5.19 | 188.0 | 0.82 | 0.84 | 0.85 | 842 | 895 | 170 | 0.3782 | 0.2275 |
| 8 | 7 | 1.23 | 8.36 | 3.69 | 75.86 | 2.10 | 2.18 | 2.19 | 300 | 353 | 95 | 0.409 | 0.2436 |
| 6 | 7 | 1.55 | 13.30 | 4.65 | 120.6 | 1.32 | 1.37 | 1.38 | 477 | 556 | 130 | 0.3915 | 0.2326 |
| 4 | 7 | 1.96 | 21.15 | 5.88 | 191.8 | 0.83 | 0.86 | 0.86 | 758 | 884 | 172 | 0.374 | 0.2215 |
| 2 | 7 | 2.47 | 33.63 | 7.41 | 304.9 | 0.52 | 0.54 | 0.54 | 1205 | 1374 | 230 | 0.3565 | 0.2104 |
| 1/0 | 7 | 3.12 | 53.51 | 9.36 | 485.2 | 0.33 | 0.34 | 0.34 | 1916 | 2161 | 310 | 0.339 | 0.1994 |
| 2/0 | 7 | 3.50 | 67.44 | 10.51 | 611.6 | 0.26 | 0.27 | 0.27 | 2415 | 2693 | 360 | 0.3303 | 0.1938 |
| 3/0 | 7 | 3.93 | 85.03 | 11.8 | 771.0 | 0.21 | 0.21 | 0.22 | 3044 | 3356 | 420 | 0.3216 | 0.1883 |
| 4/0 | 7 | 4.42 | 107.2 | 13.25 | 972.2 | 0.16 | 0.17 | 0.17 | 3840 | 4134 | 490 | 0.3128 | 0.1828 |
| 1/0 | 19 | 1.89 | 53.51 | 9.45 | 485.2 | 0.32 | 0.34 | 0.34 | 1916 | 2235 | 320 | 0.3349 | 0.1988 |
| 2/0 | 19 | 2.13 | 67.44 | 10.65 | 611.6 | 0.26 | 0.27 | 0.27 | 2415 | 2786 | 371 | 0.3262 | 0.1933 |
| 3/0 | 19 | 2.39 | 85.03 | 11.95 | 771.0 | 0.21 | 0.21 | 0.22 | 3046 | 3514 | 428 | 0.3174 | 0.1877 |
| 4/0 | 19 | 2.68 | 107.2 | 13.40 | 972.2 | 0.16 | 0.17 | 0.17 | 3840 | 4380 | 500 | 0.3087 | 0.1822 |
| 250 | 37 | 2.09 | 126.7 | 14.63 | 1149.0 | 0.14 | 0.14 | 0.14 | 4535 | 5232 | 540 | 0.3012 | 0.1781 |
| 300 | 37 | 2.29 | 152.0 | 16.03 | 1378.0 | 0.12 | 0.12 | 0.12 | 5445 | 6283 | 608 | 0.2943 | 0.1737 |
| 350 | 37 | 2.47 | 177.3 | 17.29 | 1608.0 | 0.10 | 0.10 | 0.10 | 6351 | 7246 | 670 | 0.2885 | 0.17 |

➤ CABLES Y ALAMBRES DESNUDOS DE COBRE (2)

| Calibre | No. Hilos | Diámetro Filo | Área | Diámetro conductor | Peso Conductor Aprox. | Resistencia Eléctrica DC a 20°C | | | Carga a la Rotura Nominal | | Capacidad Corriente Aire Libre | Reactancia Inductiva | Reactancia Capacitiva |
|-------------|-----------|---------------|-----------------|--------------------|-----------------------|---------------------------------|----------|------|---------------------------|------|--------------------------------|----------------------|-----------------------|
| | | | | | | Suave | Semiduro | Duro | Semiduro | Duro | | | |
| AWG ó Kamil | | mm | mm ² | mm | Kg/Km | Ω/Km | Ω/Km | Ω/Km | Kg | Kg | A | Ω/Km | Ω/Km |

| | | | | | | | | | | | | | |
|------|----|------|-------|-------|--------|------|------|------|-------|-------|------|--------|--------|
| 400 | 37 | 2.64 | 202.7 | 18.48 | 1838.0 | 0.09 | 0.09 | 0.09 | 7255 | 8278 | 730 | 0.2835 | 0.1669 |
| 450 | 37 | 2.80 | 228.0 | 19.60 | 2068.0 | 0.08 | 0.08 | 0.08 | 8167 | 9318 | 780 | 0.279 | 0.164 |
| 500 | 37 | 2.95 | 253.4 | 20.65 | 2297.0 | 0.07 | 0.07 | 0.07 | 9070 | 10233 | 840 | 0.2751 | 0.1615 |
| 550 | 61 | 2.41 | 278.7 | 21.69 | 2527.0 | 0.06 | 0.07 | 0.07 | 9977 | 11383 | 880 | 0.271 | 0.1592 |
| 600 | 61 | 2.52 | 304.0 | 22.68 | 2757.0 | 0.06 | 0.06 | 0.06 | 10890 | 12425 | 945 | 0.2677 | 0.1571 |
| 650 | 61 | 2.62 | 329.4 | 23.58 | 2987.0 | 0.05 | 0.06 | 0.06 | 11789 | 13451 | 985 | 0.2647 | 0.1552 |
| 700 | 61 | 2.72 | 354.7 | 24.48 | 3216.0 | 0.05 | 0.05 | 0.05 | 12696 | 14486 | 1040 | 0.2619 | 0.1534 |
| 750 | 61 | 2.82 | 380.0 | 25.35 | 3446.0 | 0.05 | 0.05 | 0.05 | 13608 | 15527 | 1090 | 0.2593 | 0.1518 |
| 800 | 61 | 2.91 | 405.4 | 26.17 | 3676.0 | 0.04 | 0.04 | 0.05 | 14511 | 16557 | 1130 | 0.2569 | 0.1503 |
| 900 | 61 | 3.09 | 456.0 | 27.77 | 4135.0 | 0.04 | 0.04 | 0.04 | 16331 | 18424 | 1220 | 0.2524 | 0.1474 |
| 1000 | 61 | 3.25 | 506.7 | 29.26 | 4595.0 | 0.03 | 0.04 | 0.04 | 18146 | 20472 | 1300 | 0.2484 | 0.1449 |