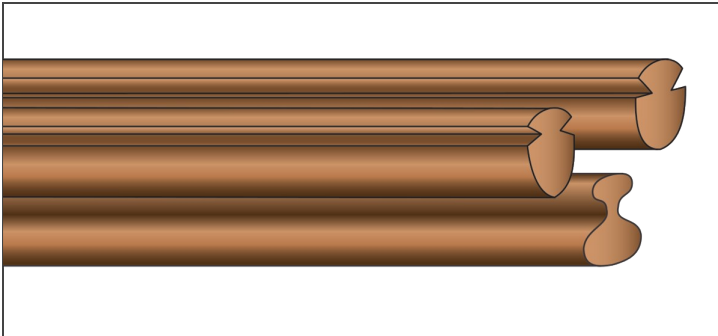


CONTACT WIRE



SILVER-BEARING
Trolley Wire
(for Electrified Rail Systems)



Description:

Single conductor, silver-bearing, having a hard drawn temper, made in the configuration of grooved.

Standards:

ASTM Standards: B-47, B-116
RoHS Compliant

Application:

Overhead catenary system used as power for light rail systems, cranes, electric railroad locomotives, and underground mining cars.

| Part Number | Nominal Conductor Size (AWG or Kcmil) | Overall Diameter (in.) | Overall Diameter (mm) | Area Circular (mils) | Area Square (in.) | Area Square (mm) | Weight (lb./1000') | Weight (lb./mile) | Weight (kg/km) | Tensile Strength Minimum (lb./sq. in.) | Tensile Strength Minimum (kg/sq. mm) | Resistance (68°F/20°C) OHMS/1000' | Resistance (68°F/20°C) OHMS/mile | Resistance (68°F/20°C) OHMS/km | Minimum Breaking Strength (lb.) | Minimum Breaking Strength (kg) |
|-------------|---------------------------------------|------------------------|-----------------------|----------------------|-------------------|------------------|--------------------|-------------------|----------------|--|--------------------------------------|-----------------------------------|----------------------------------|--------------------------------|---------------------------------|--------------------------------|
| BGRV2/0AG | 2/0 | 0.392 | 9.957 | 137,900 | 0.108 | 69.9 | 418.0 | 2,205 | 621 | 53,000 | 37.3 | 0.077 | 0.409 | 0.254 | 5,740 | 2,600 |
| BGRV3/0AG | 3/0 | 0.430 | 10.922 | 167,300 | 0.131 | 84.8 | 506.0 | 2,674 | 755 | 52,700 | 37.1 | 0.064 | 0.337 | 0.209 | 6,920 | 3,140 |
| BGRV4/0AG | 4/0 | 0.482 | 12.243 | 212,000 | 0.167 | 107.4 | 642.0 | 3,389 | 955 | 51,300 | 36.1 | 0.050 | 0.266 | 0.165 | 8,540 | 3,870 |
| BGRV300AG | 300 | 0.574 | 14.580 | 299,800 | 0.236 | 151.9 | 908.0 | 4,792 | 1,350 | 48,000 | 33.7 | 0.036 | 0.188 | 0.117 | 11,300 | 5,130 |
| BGRV350AG | 350 | 0.620 | 15.748 | 351,200 | 0.276 | 177.9 | 1,063.0 | 5,613 | 1,581 | 44,600 | 31.4 | 0.030 | 0.161 | 0.100 | 12,300 | 5,580 |
| BFIG81/0AG | 1/0 | 0.420x0.312 | 10.7x7.9 | 105,600 | 0.083 | 53.5 | 319.7 | 1,687 | 475 | 51,800 | 36.4 | 0.101 | 0.534 | 0.332 | 4,296 | 1,949 |
| BFIG82/0AG | 2/0 | 0.480x0.352 | 12.2x8.9 | 133,100 | 0.105 | 67.4 | 402.9 | 2,127 | 599 | 50,200 | 35.3 | 0.080 | 0.424 | 0.263 | 5,248 | 2,380 |
| BFIG83/0AG | 3/0 | 0.510x0.400 | 13.7x10.2 | 167,800 | 0.132 | 85.0 | 507.9 | 2,682 | 755 | 48,500 | 34.1 | 0.064 | 0.336 | 0.209 | 6,392 | 2,899 |
| BFIG84/0AG | 4/0 | 0.600x0.450 | 15.2x11.1 | 211,600 | 0.166 | 107.2 | 640.5 | 3,382 | 953 | 46,600 | 32.8 | 0.051 | 0.266 | 0.166 | 7,744 | 3,513 |
| BFIG8350AG | 350 | 0.754x0.570 | 19.2x14.5 | 350,100 | 0.275 | 177.4 | 1,060.0 | 5,595 | 1,577 | 42,800 | 30.1 | 0.031 | 0.161 | 0.100 | 11,770 | 5,339 |
| BFIG9350AG | 350 | 0.707x0.496 | 17.9x12.6 | 348,900 | 0.274 | 176.8 | 1,056.0 | 5,576 | 1,571 | 42,800 | 30.1 | 0.031 | 0.162 | 0.100 | 11,730 | 5,321 |
| BFIG9400AG | 400 | 0.715x0.552 | 18.9x14.0 | 397,200 | 0.312 | 201.3 | 1,202.0 | 6,348 | 1,789 | 41,300 | 29.0 | 0.027 | 0.142 | 0.088 | 12,880 | 5,842 |

NOTE: The data shown is approximate and subject to standard industry tolerances.