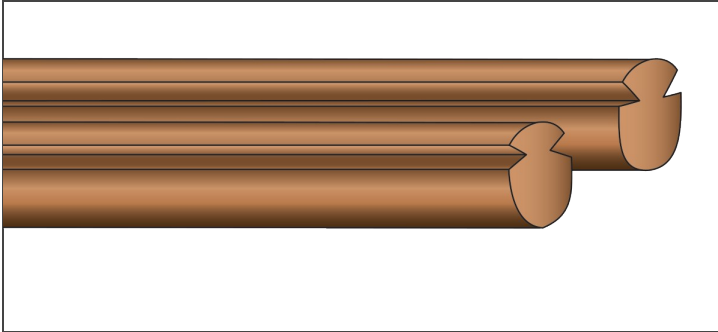


CONTACT WIRE



BRONZE-TIN

(for Electrified Rail Systems)



Description:

Single conductor, solid tin, having a hard drawn temper, made in the configuration of grooved.

Standards:

ASTM B-9
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 | Min. Breaking Strength (lb.) | Min. Breaking Strength (kg) |
|--------------|---------------------------------------|------------------------|-----------------------|----------------------|-------------------|------------------|--------------------|-------------------|----------------|--|--------------------------------------|-----------------------------------|----------------------------------|--------------------------------|------------------------------|-----------------------------|
| BGRV2/0SN80 | 2/0 | 0.376 | 9.557 | 137,900 | 0.108 | 69.9 | 417.4 | 2,204 | 621.0 | 69,000 | 48.50 | 0.094 | 0.496 | 0.309 | 7,473 | 3,390 |
| BGRV3/0SN80 | 3/0 | 0.430 | 10.922 | 167,300 | 0.131 | 84.8 | 506.0 | 2,674 | 753.0 | 67,000 | 47.10 | 0.077 | 0.409 | 0.254 | 8,804 | 3,993 |
| BGRV4/0SN80 | 4/0 | 0.459 | 11.670 | 211,165 | 0.166 | 107.0 | 661.0 | 3,488 | 983.0 | 63,820 | 44.87 | 0.070 | 0.372 | 0.231 | 10,274 | 4,660 |
| BGRV300SN80 | 300 | 0.544 | 13.820 | 296,025 | 0.233 | 150.0 | 926.0 | 4,889 | 1,378.0 | 60,919 | 42.83 | 0.050 | 0.266 | 0.165 | 13,735 | 6,230 |
| BGRV350SN80 | 350 | 0.620 | 15.748 | 351,200 | 0.276 | 166.3 | 1,063.0 | 5,613 | 1,582.0 | 59,500 | 41.80 | 0.037 | 0.195 | 0.121 | 16,410 | 7,414 |
| BFIG9335SN80 | 336.4 | 0.680x0.482 | 17.3x12.2 | 336,400 | 0.264 | 170.4 | 1,018.0 | 5,377 | 1,515.0 | 56,800 | 39.90 | 0.039 | 0.205 | 0.127 | 15,010 | 6,809 |

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