

Super Vu-Tron® Type G and Type G-GC Round

90°C (UL), 2000 Volt Portable Power Cable



Product Construction:

Conductor:

- 8 AWG through 500 kcmil fully annealed stranded bare copper

Insulation:

- Premium-grade, color-coded 90°C EPDM
- Color code: See chart below
- Insulated grounds and ground checks

Jacket:

- Super Vu-Tron® 90°C, black
- Temperature range: -40°C to +90°C

Jacket Marking:

- TYPE G-GC (4/0 AND SMALLER) - CAROL SUPER VU-TRON® SIZE (mm²) TYPE G-GC PORTABLE POWER CABLE (UL) 2000 V DRY 90°C WET 75°C SUN RES P-7K-123049-MSHA --- CSA TYPE G-GC (-40°C) 2 KV FT5 MADE IN USA (TRU-MARK SEQUENTIAL FOOTAGE)
- TYPE G-GC (LARGER THAN 4/0) - (SIZE) TYPE G-GC CAROL SUPER VU-TRON® 90°C DRY AND WATER RESISTANT 75°C 2000 V SUN RES (UL) P-7K-123049 MSHA LR27161 MADE IN USA (TRU-MARK SEQUENTIAL FOOTAGE)
- TYPE G - CAROL SUPER VU-TRON® SIZE (mm²) TYPE G PORTABLE POWER CABLE (UL) 600/2000 V DRY 90°C WET 75°C SUN RES P-7K-123049 MSHA --- CSA TYPE G (-40°C) 2 KV FT5 MADE IN USA (TRU-MARK SEQUENTIAL FOOTAGE)

Applications:

- Industrial and light- to medium-duty mining applications
- Heavy-duty service as power supply cable
- Mobile and portable electrical equipment
- 3- and 4-conductor—use on three-phase AC systems where grounding is required

Features:

- Excellent impact and abrasion resistance
- Withstands exposure to oil, acids, alkalis, heat, moisture and most chemicals
- Suitable for immersion in water*
- Indent-printed for easy identification
- Rope lay stranding for maximum flex life
- Cable core bound for superior flexibility and toughness
- Non-wicking rubber fillers (G-GC)
- Canadian color code available upon request
- Sunlight-resistant
- TRU-Mark® sequential footage marking

Industry Approvals:

- UL Type G, G-GC
- CSA
- MSHA Approved
- RoHS Compliant

Packaging:

- Lengths cut to order

* Suitable for immersion in water if properly sealed and terminated.

COLOR CODE CHART

| NO. OF CONDUCTORS | COLOR |
|-------------------|---------------------------|
| 3 | Black, White, Red |
| 4 | Black, White, Red, Orange |



3 CONDUCTOR – TYPE G-GC – 2000 VOLT

| CATALOG NUMBER | NO. OF COND. | AWG OR kcmil | COND. STRAND | NOMINAL COND. O.D. | | YELLOW GROUND CHECK AWG SIZE | GREEN GROUND COND. AWG SIZE | NOMINAL INS. THICKNESS | | NOMINAL O.D. | | CURR. AMPS ⁽¹⁾ | APPROX. NET WT. LBS/M ⁽⁵⁾ |
|-----------------------|--------------|--------------|--------------|--------------------|-------|------------------------------|-----------------------------|------------------------|------|--------------|-------|---------------------------|--------------------------------------|
| | | | | INCHES | mm | | | INCHES | mm | INCHES | mm | | |
| 82313 | 3 | 8 | 133 | 0.160 | 4.06 | 10 | 2#10 | 0.060 | 1.52 | 0.965 | 24.51 | 65 | 600 |
| 82623 | 3 | 6 | 259 | 0.198 | 5.03 | 10 | 2#10 | 0.060 | 1.52 | 1.020 | 25.91 | 87 | 770 |
| 82643 | 3 | 4 | 259 | 0.245 | 6.22 | 10 | 2#8 | 0.060 | 1.52 | 1.125 | 28.58 | 114 | 1005 |
| 82663 | 3 | 2 | 259 | 0.297 | 7.54 | 10 | 2#7 | 0.080 | 2.03 | 1.315 | 33.40 | 152 | 1480 |
| 82373 | 3 | 1 | 259 | 0.353 | 8.97 | 8 | 2#6 | 0.080 | 2.03 | 1.445 | 36.70 | 177 | 1815 |
| 82383 | 3 | 1/0 | 259 | 0.385 | 9.78 | 8 | 2#5 | 0.080 | 2.03 | 1.570 | 39.88 | 205 | 2205 |
| 82393 | 3 | 2/0 | 259 | 0.442 | 11.23 | 8 | 2#4 | 0.080 | 2.03 | 1.660 | 42.16 | 237 | 2545 |
| 82403 | 3 | 3/0 | 259 | 0.480 | 12.19 | 8 | 2#3 | 0.080 | 2.03 | 1.810 | 45.97 | 274 | 3230 |
| 82413 | 3 | 4/0 | 259 | 0.555 | 14.10 | 8 | 2#2 | 0.080 | 2.03 | 1.920 | 48.77 | 316 | 3675 |
| 82423 ^{(2)*} | 3 | 250 | 627 | 0.615 | 15.62 | 8 | 2#2 | 0.095 | 2.41 | 2.390 | 60.71 | 352 | 6060 |
| 82443 ^{(2)*} | 3 | 350 | 855 | 0.725 | 18.42 | 8 | 2#1/0 | 0.095 | 2.41 | 2.680 | 68.07 | 433 | 7400 |
| 82473 ^{(2)*} | 3 | 500 | 1235 | 0.880 | 22.35 | 8 | 2#2/0 | 0.095 | 2.41 | 3.030 | 76.96 | 536 | 10100 |

4 CONDUCTOR – TYPE G – 600/2000 VOLT

| CATALOG NUMBER | NO. OF COND. | AWG OR kcmil | COND. STRAND | NOMINAL COND. O.D. | | GREEN COND. AWG SIZE | NOMINAL INS. THICKNESS | | NOMINAL O.D. | | CURRENT AMPS ⁽¹⁾ | APPROX. NET WT. LBS/M ⁽⁵⁾ |
|----------------|--------------|--------------|--------------|--------------------|-------|----------------------|------------------------|------|--------------|-------|-----------------------------|--------------------------------------|
| | | | | INCHES | mm | | INCHES | mm | INCHES | mm | | |
| 82314 | 4 | 8 | 133 | 0.160 | 4.06 | 4#12 | 0.060 | 1.52 | 1.045 | 26.54 | 52 | 690 |
| 82624 | 4 | 6 | 259 | 0.198 | 5.03 | 4#12 | 0.060 | 1.52 | 1.125 | 28.58 | 70 | 880 |
| 82644 | 4 | 4 | 259 | 0.245 | 6.22 | 4#10 | 0.060 | 1.52 | 1.225 | 31.12 | 91 | 1160 |
| 82664 | 4 | 2 | 259 | 0.297 | 7.54 | 4#9 | 0.080 | 2.03 | 1.435 | 36.45 | 122 | 1720 |
| 82374* | 4 | 1 | 259 | 0.353 | 8.97 | 4#8 | 0.080 | 2.03 | 1.595 | 40.51 | 142 | 2200 |
| 82384 | 4 | 1/0 | 259 | 0.385 | 9.78 | 4#7 | 0.080 | 2.03 | 1.730 | 43.94 | 164 | 2705 |
| 82394 | 4 | 2/0 | 259 | 0.442 | 11.23 | 4#6 | 0.080 | 2.03 | 1.855 | 47.12 | 190 | 3190 |
| 82404 | 4 | 3/0 | 259 | 0.480 | 12.19 | 4#5 | 0.080 | 2.03 | 2.040 | 51.82 | 219 | 4005 |
| 82414 | 4 | 4/0 | 259 | 0.555 | 14.10 | 4#4 | 0.080 | 2.03 | 2.145 | 54.48 | 253 | 4560 |

⁽¹⁾ Ampacities based on 90°C conductor and 30°C ambient temperature per Table 400.5(A)(2) of the National Electrical Code®.

⁽²⁾ UL Listed and c(UL) Certified.

* Non-stock item; minimum quantity purchase required.

⁽⁵⁾ Actual shipping weight may vary.