

Super Vu-Tron® Multi-Conductor Type W Round

90°C (UL), Type W, 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

Jacket:

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

Jacket Marking:

- SIZES SMALLER THAN 2-1/4" – CAROL SUPER VU-TRON® (SIZE) TYPE W PORTABLE POWER CABLE (UL) 2000 V DRY 90°C WET 75°C SUN RES P-7K-123049-MSHA---CSA TYPE W (-40°C) 2 KV FT5 MADE IN USA
- SIZES 2-1/4" AND LARGER – (SIZE) TYPE W 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

Applications:

- Industrial and light- to medium-duty mining applications
- Heavy-duty service as power supply cable
- AC systems (grounded and ungrounded)
- Mobile and portable electrical equipment
- Motor and battery leads
- 2-conductor cables—use on DC or AC single-phase systems where grounding is not required
- 3-conductor cables—use on AC systems where no grounding is required or on DC systems with one conductor for grounding
- 4-conductor cables—use on two- or three-phase AC systems with one conductor used for grounding
- 5-conductor cables—use in applications where separating the system neutral from the frame ground is required

Features:

- Withstands severe environmental conditions
- Suitable for immersion in water*
- Indent-printed for easy identification
- Withstands exposure to oil, acids, alkalis, heat, moisture and most chemicals
- Rope lay stranding for maximum flex life
- Excellent impact resistance
- Cable core bound for superior flexibility and toughness
- Sunlight-resistant

Industry Approvals:

- CSA Type W
- MSHA Approved
- UL Type W
- RoHS Compliant

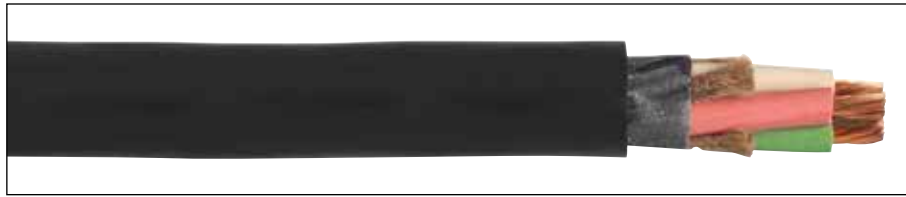
Packaging:

- Lengths cut to order

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

COLOR CODE CHART

| NO. OF CONDUCTORS | COLOR** |
|-------------------|----------------------------------|
| 2 | Black, White |
| 3 | Black, White, Green |
| 4 | Black, White, Red, Green |
| 5 | Black, White, Red, Green, Orange |



| CATALOG NUMBER | NO. OF COND. | AWG OR kcmil | COND. STRAND | NOMINAL COND. O.D. | | NOMINAL INS. THICKNESS | | NOMINAL O.D. | | CURRENT AMPS ⁽¹⁾ | APPROX. NET WT. LBS/M ⁽²⁾ |
|---|--------------|--------------|--------------|--------------------|-------|------------------------|------|--------------|-------|-----------------------------|--------------------------------------|
| | | | | INCHES | mm | INCHES | mm | INCHES | mm | | |
| 2 CONDUCTOR – TYPE W – 2000 VOLT | | | | | | | | | | | |
| 81312 | 2 | 8 | 133 | 0.160 | 4.06 | 0.060 | 1.52 | 0.770 | 19.56 | 74 | 325 |
| 81622 | 2 | 6 | 259 | 0.198 | 5.03 | 0.060 | 1.52 | 0.910 | 23.11 | 99 | 470 |
| 81642 | 2 | 4 | 259 | 0.245 | 6.22 | 0.060 | 1.52 | 1.020 | 25.91 | 130 | 620 |
| 81662 | 2 | 2 | 259 | 0.297 | 7.54 | 0.080 | 2.03 | 1.210 | 30.73 | 174 | 935 |
| 81372* | 2 | 1 | 259 | 0.353 | 8.97 | 0.080 | 2.03 | 1.370 | 34.80 | 202 | 1305 |
| 81382* | 2 | 1/0 | 259 | 0.385 | 9.78 | 0.080 | 2.03 | 1.435 | 36.45 | 234 | 1555 |
| 81392* | 2 | 2/0 | 259 | 0.442 | 11.23 | 0.080 | 2.03 | 1.555 | 39.50 | 271 | 1860 |
| 81402* | 2 | 3/0 | 259 | 0.480 | 12.19 | 0.080 | 2.03 | 1.670 | 42.42 | 313 | 2230 |
| 81412* | 2 | 4/0 | 259 | 0.555 | 14.10 | 0.080 | 2.03 | 1.815 | 46.10 | 361 | 2655 |

| 3 CONDUCTOR – TYPE W – 2000 VOLT | | | | | | | | | | | |
|---|---|-----|------|-------|-------|-------|------|-------|-------|-----|------|
| 81313 | 3 | 8 | 133 | 0.160 | 4.06 | 0.060 | 1.52 | 0.945 | 24.00 | 74 | 470 |
| 81623 | 3 | 6 | 259 | 0.198 | 5.03 | 0.060 | 1.52 | 1.020 | 25.91 | 99 | 625 |
| 81643 | 3 | 4 | 259 | 0.245 | 6.22 | 0.060 | 1.52 | 1.135 | 28.83 | 130 | 810 |
| 81663 | 3 | 2 | 259 | 0.297 | 7.54 | 0.080 | 2.03 | 1.345 | 34.16 | 174 | 1190 |
| 81373* | 3 | 1 | 259 | 0.353 | 8.97 | 0.080 | 2.03 | 1.455 | 36.96 | 202 | 1655 |
| 81383 | 3 | 1/0 | 259 | 0.385 | 9.78 | 0.080 | 2.03 | 1.585 | 40.26 | 234 | 1965 |
| 81393 | 3 | 2/0 | 259 | 0.442 | 11.23 | 0.080 | 2.03 | 1.675 | 42.55 | 271 | 2350 |
| 81403* | 3 | 3/0 | 259 | 0.480 | 12.19 | 0.080 | 2.03 | 1.815 | 46.10 | 313 | 2890 |
| 81413* | 3 | 4/0 | 259 | 0.555 | 14.10 | 0.080 | 2.03 | 1.950 | 49.53 | 361 | 3285 |
| 81423* | 3 | 250 | 627 | 0.615 | 15.62 | 0.095 | 2.41 | 2.390 | 60.71 | 402 | 5070 |
| 81443* | 3 | 350 | 855 | 0.725 | 18.42 | 0.095 | 2.41 | 2.680 | 68.07 | 495 | 6570 |
| 81473* | 3 | 500 | 1235 | 0.880 | 22.35 | 0.095 | 2.41 | 3.030 | 76.96 | 613 | 8700 |

| 4 CONDUCTOR – TYPE W – 2000 VOLT | | | | | | | | | | | |
|---|---|-----|-----|-------|-------|-------|------|-------|-------|-----|------|
| 81314 | 4 | 8 | 133 | 0.160 | 4.06 | 0.060 | 1.52 | 0.980 | 24.89 | 65 | 615 |
| 81624 | 4 | 6 | 259 | 0.198 | 5.03 | 0.060 | 1.52 | 1.070 | 27.18 | 87 | 800 |
| 81644 | 4 | 4 | 259 | 0.245 | 6.22 | 0.060 | 1.52 | 1.210 | 30.73 | 114 | 1040 |
| 81664 | 4 | 2 | 259 | 0.297 | 7.54 | 0.080 | 2.03 | 1.435 | 36.45 | 152 | 1580 |
| 81374 | 4 | 1 | 259 | 0.353 | 8.97 | 0.080 | 2.03 | 1.595 | 40.51 | 177 | 2045 |
| 81384 | 4 | 1/0 | 259 | 0.385 | 9.78 | 0.080 | 2.03 | 1.705 | 43.31 | 205 | 2430 |
| 81394 | 4 | 2/0 | 259 | 0.442 | 11.23 | 0.080 | 2.03 | 1.845 | 46.86 | 237 | 2950 |
| 81404 | 4 | 3/0 | 259 | 0.480 | 12.19 | 0.080 | 2.03 | 1.965 | 49.91 | 274 | 3430 |
| 81414 | 4 | 4/0 | 259 | 0.555 | 14.10 | 0.080 | 2.03 | 2.145 | 54.48 | 316 | 3885 |

| 5 CONDUCTOR – TYPE W – 2000 VOLT | | | | | | | | | | | |
|---|---|-----|-----|-------|-------|-------|------|-------|-------|-----|------|
| 81315 | 5 | 8 | 133 | 0.160 | 4.06 | 0.060 | 1.52 | 1.030 | 26.16 | 52 | 650 |
| 81625 | 5 | 6 | 259 | 0.198 | 5.03 | 0.060 | 1.52 | 1.170 | 29.72 | 69 | 915 |
| 81645 | 5 | 4 | 259 | 0.245 | 6.22 | 0.060 | 1.52 | 1.360 | 34.54 | 91 | 1320 |
| 81665 | 5 | 2 | 259 | 0.297 | 7.54 | 0.080 | 2.03 | 1.595 | 40.51 | 121 | 1925 |
| 81375* | 5 | 1 | 259 | 0.353 | 8.97 | 0.080 | 2.03 | 1.820 | 46.23 | 141 | 2675 |
| 81385 | 5 | 1/0 | 259 | 0.385 | 9.78 | 0.080 | 2.03 | 1.900 | 48.26 | 164 | 2885 |
| 81395* | 5 | 2/0 | 259 | 0.442 | 11.23 | 0.080 | 2.03 | 2.060 | 52.32 | 189 | 3630 |
| 81405* | 5 | 3/0 | 259 | 0.480 | 12.19 | 0.080 | 2.03 | 2.260 | 57.40 | 219 | 4900 |
| 81415* | 5 | 4/0 | 259 | 0.555 | 14.10 | 0.080 | 2.03 | 2.460 | 62.48 | 252 | 5980 |

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

* Non-stock item; minimum quantity purchase required.

** Green conductor for grounding only.

⁽²⁾ Actual shipping weight may vary.

