

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) 2000V DRY 90°C WET 75°C SUN RES CSA (-40°C) FT-5 P-7K-123049 MSHA
- SIZES 2-1/4" AND LARGER – (SIZE) TYPE W CAROL SUPER VU-TRON® 90°C DRY AND WATER RESISTANT 75°C 2000V SUN RES (UL) P-7K-123049 MSHA LR27161

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
- Ident-printed for easy identification
- Withstands exposure to oil, acid, 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
- MSHA Approved
- UL Type W
- RoHS Compliant

Packaging:

- Lengths cut to order

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	0.167	4.24	0.060	1.52	0.770	19.56	74	334
81622	2	6	259	0.210	5.33	0.060	1.52	0.910	23.11	99	483
81642	2	4	259	0.245	6.22	0.060	1.52	1.020	25.91	130	664
81662	2	2	259	0.334	8.48	0.080	2.03	1.210	30.73	174	981
81372*	2	1	259	0.375	9.53	0.080	2.03	1.440	36.58	202	1490
81382*	2	1/0	259	0.385	9.78	0.080	2.03	1.435	36.45	234	1625
81392*	2	2/0	259	0.475	12.07	0.080	2.03	1.650	41.92	271	1880
81402*	2	3/0	259	0.530	13.46	0.080	2.03	1.770	44.96	313	2420
81412*	2	4/0	259	0.570	14.48	0.080	2.03	1.920	48.77	361	2940

3 CONDUCTOR – TYPE W – 2000 VOLT

81313	3	8	133	0.167	4.24	0.060	1.52	0.925	23.50	74	490
81623	3	6	259	0.210	5.33	0.060	1.52	1.010	25.65	99	650
81643	3	4	259	0.245	6.22	0.060	1.52	1.095	27.81	130	835
81663	3	2	259	0.334	8.48	0.080	2.03	1.325	33.66	174	1233
81373*	3	1	259	0.375	9.53	0.080	2.03	1.500	38.10	202	1810
81383	3	1/0	259	0.385	9.78	0.080	2.03	1.610	40.89	234	2142
81393	3	2/0	259	0.475	12.07	0.080	2.03	1.720	43.69	271	2586
81403*	3	3/0	259	0.480	12.19	0.080	2.03	1.880	47.75	313	3381
81413*	3	4/0	259	0.570	14.48	0.080	2.03	1.935	49.15	361	3492
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	0.167	4.24	0.060	1.52	0.985	25.02	65	595
81624	4	6	259	0.210	5.33	0.060	1.52	1.085	27.56	87	783
81644	4	4	259	0.245	6.22	0.060	1.52	1.210	30.73	114	1072
81664	4	2	259	0.334	8.48	0.080	2.03	1.435	36.45	152	1592
81374	4	1	259	0.375	9.53	0.080	2.03	1.605	40.77	177	2051
81384	4	1/0	259	0.385	9.78	0.080	2.03	1.720	43.69	205	2742
81394	4	2/0	259	0.475	12.07	0.080	2.03	1.925	48.90	237	3228
81404	4	3/0	259	0.480	12.19	0.080	2.03	2.055	52.20	274	4048
81414	4	4/0	259	0.570	14.48	0.080	2.03	2.145	54.48	316	4603

5 CONDUCTOR – TYPE W – 2000 VOLT

81315	5	8	133	0.167	4.24	0.060	1.52	1.050	26.67	52	675
81625	5	6	259	0.210	5.33	0.060	1.52	1.200	30.48	69	956
81645	5	4	259	0.245	6.22	0.060	1.52	1.360	34.54	91	1332
81665	5	2	259	0.334	8.48	0.080	2.03	1.600	40.64	121	2021
81375*	5	1	259	0.375	9.53	0.080	2.03	1.925	48.90	141	2923
81385	5	1/0	259	0.385	9.78	0.080	2.03	2.075	52.71	164	3142
81395*	5	2/0	259	0.475	12.07	0.080	2.03	2.160	54.86	189	4067
81405*	5	3/0	259	0.530	13.46	0.080	2.03	2.260	57.40	219	4900
81415*	5	4/0	259	0.570	14.48	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(B) of the National Electrical Code®.

* Non-stock item; minimum quantity purchase required.

** Green conductor for grounding only.

® Actual shipping weight may vary.

