

Super Vu-Tron® Single Conductor

90°C (UL) Type W 2000 Volt and Type RHH/RHW 600 Volt Portable Power Cable



Product Construction:

Conductor:

- 8 AWG through 500 kcmil fully annealed stranded bare copper

Insulation:

- Premium-grade 90°C EPDM

Cable Reinforcement:

- An open polyester braid reinforcement is applied between the insulation and jacket for mechanical strength.

Jacket:

- Super Vu-Tron® 90°C, black
- Temperature range: -40°C to +90°C
- Voltage rating:
600 volts Type RHH/RHW
2000 volts Type W

Jacket Marking:

- 8-1 AWG: CAROL SUPER VU-TRON® TYPE W PORTABLE POWER CABLE (UL) DRY 90°C WET 75°C 2000V SUNLIGHT RESISTANT P-7K-123049-MSHA (SIZE) TYPE RHH OR RHW (UL) 600V
- 1/0-500 kcmil: CAROL SUPER VU-TRON® TYPE W PORTABLE POWER CABLE (UL) DRY 90°C WET 75°C 2000V SUNLIGHT RESISTANT P-7K-123049-MSHA (SIZE) TYPE RHH OR RHW (UL) 600V FOR CT USE---CSA TYPE W (-40°C) FT-5

TYPE W 2000 VOLT (UL) AND TYPE RHH/RHW 600 VOLT (UL)

CATALOG NUMBER	NO. OF COND.	AWG OR kcmil	COND. STRAND	NOMINAL COND. O.D.		NOMINAL INS. THICKNESS		NOMINAL O.D.		CURRENT AMPS		APPROX. NET WT. LBS/ M ^(S)
				INCHES	mm	INCHES	mm	INCHES	mm	(1)	(2)	
83008*	1	8	133	0.167	4.24	0.070	1.78	0.485	12.32	55	80	150
83006	1	6	259	0.210	5.33	0.070	1.78	0.565	14.35	75	105	214
83004	1	4	259	0.245	6.22	0.070	1.78	0.605	15.37	95	140	277
83002	1	2	259	0.334	8.48	0.070	1.78	0.680	17.27	130	190	387
83001	1	1	259	0.375	9.53	0.090	2.29	0.765	19.43	150	220	485
83010	1	1/0†	259	0.385	9.78	0.090	2.29	0.810	20.57	170	260	563
83020	1	2/0†	259	0.475	12.07	0.090	2.29	0.885	22.48	195	300	679
83030	1	3/0†	259	0.480	12.19	0.090	2.29	0.930	23.62	225	350	809
83040	1	4/0†	259	0.570	14.48	0.090	2.29	0.980	24.89	260	405	973
83250	1	250†	627	0.615	15.62	0.105	2.67	1.045	26.54	290	455	1155
83350	1	350†	855	0.725	18.42	0.105	2.67	1.145	29.08	350	570	1492
83500	1	500†	1235	0.880	22.35	0.105	2.67	1.310	33.27	430	700	2048

* Non-stock item; minimum quantity purchase required.

⁽¹⁾ Ampacities based on 90°C Conductor and 30°C Ambient temperature based on Table 310-16 in the National Electrical Code® for RHH/RHW with not more than three current-carrying conductors in raceway, cable or earth.

⁽²⁾ Ampacities based on 90°C Conductor and 30°C Ambient temperature based on Table 310-17 and Table 400.5(B) in the National Electrical Code® for single-conductor cables.

^(S) Actual shipping weight may vary.

† Designated for CT use.

Applications:

- Portable power systems
- Entertainment industry activities such as theatre, television, night clubs, motion pictures, mobile communication vans, spotlights and sound systems
- Other similar applications that would require permanent or temporary power
- Permanent wiring of 600 volt power supplies, hoists, cranes and other applications where flexible power leads must be installed in conduit or raceways

Features:

- Water-resistant
- Sunlight-resistant
- Designed to withstand severe environmental conditions
- Withstands exposure to oil, acids, alkalies, heat, flame, moisture and chemicals
- Meets or exceeds flame test requirements of MSHA and UL

Industry Approvals:

- ICEA S-75-381 NEMA WC-58
- UL Type W
- UL Type RHH or RHW
- MSHA Approved
- RoHS Compliant

Packaging:

- Lengths cut to order

