

# Super Vu-Tron<sup>®</sup> Supreme Types SJOOW/SOOW

105°C 300 and 600 Volt UL/CSA Portable Cord



**Product Construction:**

**Conductors:**

- 18 through 10 AWG fully annealed stranded tinned copper per ASTM B-174

**Insulation:**

- Premium-grade, color-coded, oil-resistant 105°C EPDM
- European color code: See chart below

**Jacket:**

- Super Vu-Tron<sup>®</sup> Supreme, yellow
- Temperature range: -50°C to +105°C UL/CSA
- Voltage rating: 300 volts Type SJOOW  
600 volts Type SOOW

**Jacket Marking:**

- CAROL SUPER VU-TRON<sup>®</sup> SUPREME (SIZE) (mm<sup>2</sup>) 105°C (UL) WATER RESISTANT SJOOW (OR SOOW) CSA -50°C FT-1 --- P-123-103 MSHA (VOLTS) RoHS MADE IN USA

**Applications:**

- Machine tools
- Power tools
- Dockside power applications
- Motor leads
- Portable machinery
- Cranes
- Submersible pumps
- Where water immersion is required
- Severe environment OEM/MRO applications

**Features:**

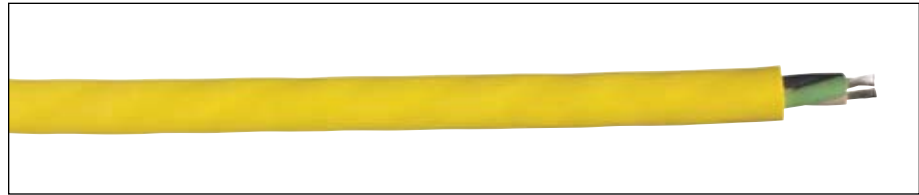
- Excellent flexibility in cold temperatures
- Lasts longer in flex applications (Class M stranding)
- Integral Flexfill<sup>®</sup>
- Ozone-sunlight (UV)- and weather-resistant
- UL Listed and CSA Certified for indoor and outdoor use
- Water-resistant
- Safety-colored, with high-visibility yellow jacket
- High heat and flame resistance
- Resistant to sunlight, oils, acids and chemicals
- Excellent abrasion and cut resistance
- TRU-Mark<sup>®</sup> sequential footage marking
- Tinned copper conductors — corrosion/oxidation-resistant

**Industry Approvals:**

- UL Flexible Cord - UL Subject 62
- CSA Flexible Cord - C22.2-49
- MSHA Approved
- OSHA Acceptable
- JC580
- RoHS Compliant

**Packaging:**

- 250' (76.2 m), 500' (152.4 m), 1000' (304.8 m)
- Other put-ups available on special order



**TYPE SJOOW – 300 VOLT – UL/CSA**

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	STRAND O.D.	NOM. INS. THICKNESS		JACKET NOMINAL O.D.		CURRENT AMPS <sup>†</sup>	APPROX. NET WT. LBS/M <sup>(S)</sup>	COPPER WT. LBS/M <sup>(S)</sup>	STD. CTN.
					INCHES	mm	INCHES	mm				
02601	2	18	41/34	.048"	0.030	0.76	0.310	7.87	10	60	10	1000 <sup>†</sup>
02602	3	18	41/34	.048"	0.030	0.76	0.320	8.13	10	70	15	1000 <sup>†</sup>
02603	4	18	41/34	.048"	0.030	0.76	0.345	8.76	7	85	20	250 <sup>†</sup>
02604	2	16	65/34	.061"	0.030	0.76	0.315	8.00	13	67	16	1000 <sup>†</sup>
02605	3	16	65/34	.061"	0.030	0.76	0.335	8.51	13	83	24	250 <sup>†</sup>
02606	4	16	65/34	.061"	0.030	0.76	0.370	9.40	10	100	32	250 <sup>†</sup>
02607	2	14	105/34	.078"	0.030	0.76	0.370	9.40	18	90	26	250 <sup>†</sup>
02608	3	14	105/34	.078"	0.030	0.76	0.375	9.53	18	114	41	250 <sup>†</sup>
02609	4	14	105/34	.078"	0.030	0.76	0.405	10.29	15	132	55	250 <sup>†</sup>

**TYPE SOOW – 600 VOLT – UL/CSA**

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INS. THICKNESS		JACKET NOMINAL O.D.		CURRENT AMPS <sup>†</sup>	APPROX. NET WT. LBS/M <sup>(S)</sup>	COPPER WT. LBS/M <sup>(S)</sup>	STD. CTN.
				INCHES	mm	INCHES	mm				
02631*	2	18	41/34	0.030	0.76	0.365	9.27	10	75	10	250 <sup>†</sup>
02632	3	18	41/34	0.030	0.76	0.375	9.53	10	84	15	250 <sup>†</sup>
02633*	4	18	41/34	0.030	0.76	0.400	10.16	7	110	21	250 <sup>†</sup>
02634	2	16	65/34	0.030	0.76	0.370	9.40	13	86	16	250 <sup>†</sup>
02635	3	16	65/34	0.030	0.76	0.395	10.03	13	105	24	250 <sup>†</sup>
02636	4	16	65/34	0.030	0.76	0.425	10.80	10	127	32	250 <sup>†</sup>
02621	5	16	65/34	0.030	0.76	0.515	13.08	8	181	40	250 <sup>†</sup>
02637*	2	14	105/34	0.045	1.14	0.510	12.95	18	155	26	250 <sup>†</sup>
02638	3	14	105/34	0.045	1.14	0.525	13.34	18	176	41	250 <sup>†</sup>
02639	4	14	105/34	0.045	1.14	0.575	14.61	15	218	55	250 <sup>†</sup>
02622*	5	14	105/34	0.045	1.14	0.675	17.15	12	285	66	250 <sup>†</sup>
02641*	2	12	168/34	0.045	1.14	0.590	14.99	25	200	41	250 <sup>†</sup>
02642	3	12	168/34	0.045	1.14	0.600	15.24	25	243	67	250 <sup>†</sup>
02643	4	12	168/34	0.045	1.14	0.650	16.51	20	295	90	250 <sup>†</sup>
02623*	5	12	168/34	0.045	1.14	0.730	18.54	16	315	103	250 <sup>†</sup>
02645	3	10	259/34	0.045	1.14	0.660	16.76	30	299	99	250 <sup>†</sup>
02646	4	10	259/34	0.045	1.14	0.710	18.03	25	413	132	250 <sup>†</sup>
02624*	5	10	259/34	0.045	1.14	0.770	19.56	20	432	168	250 <sup>†</sup>

**TOP PERFORMANCE IN THE TOUGHEST ENVIRONMENTS**

Volume change (%) of SUPER VU-TRON <sup>®</sup> SUPREME after 28 days at room temperature in the following materials			
ACETIC ACID (30%)	+19.00	LINSEED OIL	+1.04
AMMONIA HYDROXIDE	+3.12	LUBE OIL	-1.82
ASTM 3 OIL	+0.26	MILK	+4.16
BEER	+4.42	NITRIC ACID (10%)	+7.29
BLEACH WATER	+2.60	SAE 30 OIL	-1.30
BUTYL ALCOHOL	-1.82	SKYDROL 500	+17.10
CORN OIL	0.00	SODIUM HYDROXIDE	+10.90
FORMALDEHYDE	+3.38	SULFURIC ACID (10%)	+2.34
GLYCOL (ANTI-FREEZE)	-2.60	TOLUENE	+30.20
HYDROCHLORIC ACID (20%)	+10.60	UNLEADED GAS	+22.10
JP-4	+10.90	WATER	+2.86
KEROSENE	+10.60		

\* Non-stock item; minimum quantity purchase required.

† Green conductor for grounding only. Ampacities based on NEC table 400.5(A).

(S) Actual shipping weight may vary.

**COLOR CODE CHART**

NO. OF CONDUCTORS	COLOR
2	Black, White
3	Black, White, Green/Yellow
4	Black, White, Red, Green/Yellow
5	Black, White, Red, Orange, Green/Yellow

