

Super Vu-Tron[®] 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[®] 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[®] SUPREME (SIZE) (mm²) 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:

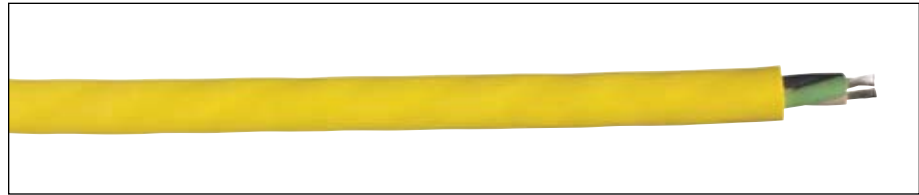
- Excellent flexibility in cold temperatures
- Lasts longer in flex applications (Class M stranding)
- Integral Flexfill[®]
- Ozone-sunlight (UV)- and weather-resistant
- UL Listed and CSA Certified for indoor and outdoor use
- Water-resistant
- Safety-colored, with high-visibility yellow jacket
- High heat and flame resistance
- Resistant to sunlight, oils, acids and chemicals
- Excellent abrasion and cut resistance
- TRU-Mark[®] 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 [†]	APPROX. NET WT. LBS/M ^(S)	COPPER WT. LBS/M ^(S)	STD. CTN.
					INCHES	mm	INCHES	mm				
02601	2	18	41/34	.048"	0.030	0.76	0.310	7.87	10	60	10	1000 [†]
02602	3	18	41/34	.048"	0.030	0.76	0.320	8.13	10	70	15	1000 [†]
02603	4	18	41/34	.048"	0.030	0.76	0.345	8.76	7	85	20	250 [†]
02604	2	16	65/34	.061"	0.030	0.76	0.315	8.00	13	67	16	1000 [†]
02605	3	16	65/34	.061"	0.030	0.76	0.335	8.51	13	83	24	250 [†]
02606	4	16	65/34	.061"	0.030	0.76	0.370	9.40	10	100	32	250 [†]
02607	2	14	105/34	.078"	0.030	0.76	0.370	9.40	18	90	26	250 [†]
02608	3	14	105/34	.078"	0.030	0.76	0.375	9.53	18	114	41	250 [†]
02609	4	14	105/34	.078"	0.030	0.76	0.405	10.29	15	132	55	250 [†]

TYPE SOOW – 600 VOLT – UL/CSA

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

TOP PERFORMANCE IN THE TOUGHEST ENVIRONMENTS

Volume change (%) of SUPER VU-TRON [®] 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

