# 600V STOOW Cord with Jacket 105°C. Silicone Free

600 Volt, 105°C Flexible Cord. Heat and Moisture PVC Insulation and Sunlight, Heat, Moisture, Oil Resistant, and Flexible PVC Jacket. Rated for Extra Hard-Usage Service Cords. Approved for Outdoor use. Rated UL VW-1 and CSA FT1, FT2 Flame Resistant.

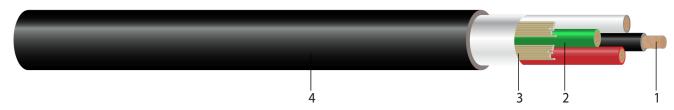


Image not to scale. See Table 1 for dimensions.

## **CONSTRUCTION:**

- 1. **Conductor:** Class K stranded bare or tinned copper per ASTM B3 and B174 B33
- 2. **Insulation**: Heat, moisture, and oil resistant resistant PVC (see Table 3 for insulation colors)
- 3. **Filler and Binder:** Fillers as needed to make core round and binder as needed to keep core assembly round on certain constructions (see Table 3 for details)
- 4. **Jacket:** Sunlight, heat, moisture, and oil resistant PVC (see Table 3 for jacket color)

### **APPLICATIONS AND FEATURES:**

Southwire Type STOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the 2020 National Electric Code. Some typical applications for Type STOOW include, but are not limited to: Washing Machines and other large appliances, heavy-duty tools, motors and temporary electrical power and lighting installations for construction sites.

#### SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- UL 62 Flexible Cords and Cables
- CSA C22.2 No. 49 Flexible Cords and Cables
- RoHS-3 Complies with European Directive 2015/863

#### **SAMPLE PRINT LEGEND:**

(UL) VW-1 STOOW X/C XX AWG (X.XXmm2) 105(D)C DRY 60(D)C WATER RESISTANT 600V (CSA) FT1,FT2 LL90458









### **Table 1 – Weights and Measurements**

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mil	mil	inch	lb/1000ft	Amp		
677522	10	3	105	45	95	0.67	262	25	BK,RD,GN	ВК

All dimensions are nominal and subject to normal manufacturing tolerances

### Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mm	mm	mm	kg/km	Amp		
677522	10	3	105	1.14	2.41	17.02	390	25	BK,RD,GN	ВК

<sup>\*</sup> Ampacities are based on TABLE 400.5(A)(1) of the 2023 National Electrical Code and CEC Table 12.







<sup>♦</sup> Cable marked with this symbol is a standard stock item

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<sup>\*\*</sup> Tinned Copper

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### Table 3 - Filler, Binder, Insulation and Jacket Colors

Stock Number	Conductor Size	Conductor Number	Filler	Binder	Insulation Colors			
588011	16	3	None	White Tissue Paper	Black, White, Green			
652927	16	3	None	White Tissue Paper	Black, White, Green-Yellow			
589056	16	3	None	White Tissue Paper	Black, White, Green-Yellow			
207400	16	3	Polypropylene	None	Black, White, Red	Black		
672344	16	3	Polypropylene	None	Black, White, Green	Black		
560733	16	4	Paper	White Tissue Paper	Black, White, Green, Red	Yellow		
587622	16	5	Polypropylene	White Tissue Paper	Black, White, Red, Orange, Green-Yellow	Yellow		
588983	16	6	Polypropylene	White Tissue Paper	Black, White, Red, Green-Yellow, Orange, Blue			
578058	16	8	Polypropylene	White Tissue Paper	Black, White, Brown, Pink, Blue, Yellow, Orange, Red	Yellow		
588986	16	8	PVC	White Tissue Paper	Black, White, Red, Green-Yellow, Orange, Blue, White-Black, Red-Black	Yellow		
201930	16	10	Polypropylene	Mylar	Black, White, Green-Yellow, Red, Orange-Black, Green-Black, Red-Black, White-Black, Blue, Orange	Yellow		
201940	16	12	Polypropylene	Mylar	Black, White, Red, Green-Yellow, Black-White, Blue-Black, Orange-Black, Green-Black, Red-Black, White-Black, Blue, Orange	Yellow		
263290	14	3	Polypropylene	None	Black, White, Green-Yellow	Black		
672538	14	3	Polypropylene	None	Black, White, Green	Black		
560703	14	3	None	White Tissue Paper	Black, White, Green	Yellow		
593628	14	3	None	White Tissue Paper	Black, Green, Red	Yellow		
578584	14	3	None	White Tissue Paper	Black, White, Green	Yellow		
672540	12	3	Polypropylene	None	Black, White, Green	Black		
560708	12	3	None	White Tissue Paper	Black, White, Green	Yellow		
564743	12	4	Paper	White Tissue Paper	Black, White, Red, Green	Black		
677522	10	3	Polypropylene	White Tissue Paper	Black, Red, Green	Black		
606210	10	4	Polypropylene	Mylar	Black, Black, Green-Yellow, Black	Gray		



