

## 300V SJTOOW Cord with Jacket 105°C

300 Volt, 105°C Flexible Cord. Heat, Moisture, and Oil Resistant PVC Insulation and Heat, Moisture, Oil Resistant, and Flexible PVC Jacket. Approved for Outdoor use. Rated UL VW-1 and CSA FT1, FT2 Flame Resistant.

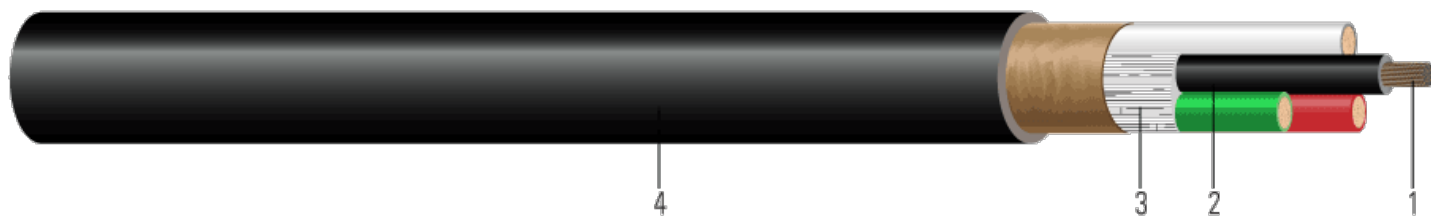


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Class K, Flexible stranded bare copper per ASTM B3 and B174
2. **Insulation:** Heat, moisture, oil resistant colored PVC (other color options available)
3. **Fillers:** Polypropylene fillers as necessary to make round
4. **Jacket:** PVC (Other colors available upon request)

### APPLICATIONS AND FEATURES:

Southwire Type SJTOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the 2017 National Electric Code. Some typical applications for Type SJTOOW 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 Standard Specification for 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
- Federal Specification J-C-580B

### SAMPLE PRINT LEGEND:

SOUTHWIRE® {UL} VW-1 E46194 SJTOOW X/C XX AWG (X.XX{mm<sup>2</sup>}) 105{D}C DRY 60{D}C WATER RESISTANT 300V {CSA} FT1,FT2 LL90458

### PACKAGING:

Standard lengths: 250', 500' and 1,000' reels. Other lengths available upon request.



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**Table 1 – Weights and Measurements**

Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *
AWG/Kcmil	Count	# x AWG	mil	mil	inch	lb/1000ft	Amp
18	2	16/30	30	30	0.285	36	10
18	3	16/30	30	30	0.305	47	10
18	4	16/30	30	30	0.330	58	7
16	2	26/30	30	30	0.310	46	13
16	3	26/30	30	30	0.330	64	13
16	4	26/30	30	30	0.365	84	10
14	3	41/30	30	30	0.365	109	15
14	4	41/30	30	30	0.400	139	12
14	6	41/30	30	30	0.515	180	10
12	3	65/30	30	45	0.435	232	25
12	4	65/30	30	45	0.480	155	20
10	3	105/30	45	65	0.596	233	25

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

\* Ampacities are based on TABLE 400.5(A)(1) of the 2020 National Electrical Code and CEC Table 12.

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

Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *
AWG/Kcmil	Count	# x AWG	mm	mm	mm	kg/km	Amp
18	2	16/30	0.76	0.76	7.24	54	10
18	3	16/30	0.76	0.76	7.75	70	10
18	4	16/30	0.76	0.76	8.38	86	7
16	2	26/30	0.76	0.76	7.87	68	13
16	3	26/30	0.76	0.76	8.38	95	13
16	4	26/30	0.76	0.76	9.27	125	10
14	3	41/30	0.76	0.76	9.27	162	15
14	4	41/30	0.76	0.76	10.16	207	12
14	6	41/30	0.76	0.76	13.08	268	10
12	3	65/30	0.76	1.14	11.05	345	25
12	4	65/30	0.76	1.14	12.19	231	20
10	3	105/30	1.14	1.65	15.14	347	25



**Color Code and Stock Numbers (Jacket Color)**

Color (Jacket Color)	Number of Conductors	Size				
		18	16	14	12	10
BLK, WHT (Black)	2		558058			
BLK, WHT (Orange)	2	570709				
BLK, WHT, GRN (Black)	3	643894		558054	558053	
BLK, WHT, GRN/Yellow (Black)	3				580806	
BLK, WHT, GRN (Yellow)	3	560691	560692	560694	560695	565687
BLK, WHT, GRN (Gray)	3	560712	560720	560713	558363	
BLK, WHT, RED, GRN (Black)	4		677226			
BLK, WHT, RED, GRN (Yellow)	4		560731	560693		
BLK, WHT, RED, GRN (Gray)	4			560721		
RED, BLK, WHT, GRN, ORG, BLU (Black)	6			652994		

