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.

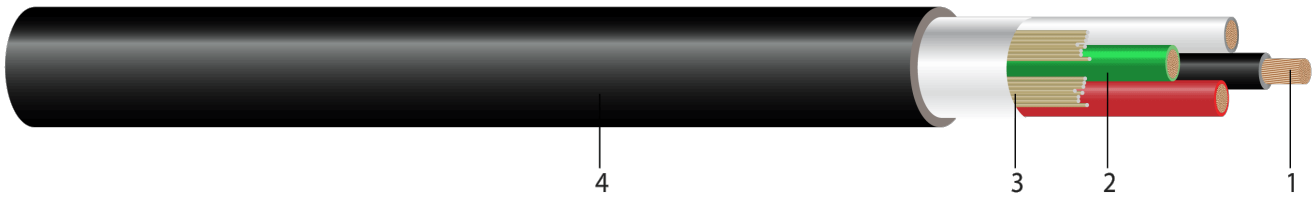

Image not to scale. See Table 1 for dimensions.

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

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity	DC Resistance	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mil	mil	inch	lb/1000ft	Amp	Ω/1000ft		
207400	16	3	26	30	60	0.38	60	10	4.181	BK,WE,RD	BK
588011	16	3	26	30	65	0.39	88	10	4.181	BK,WE,GN	BK
652927	16	3	65	30	70	0.407	92	10	4.181	BK,WE,GN/YW	BK
589056	16	3	65	30	70	0.407	93	10	4.181	BK,WE,GN/YW	BK
672344	16	3	26	30	75	0.41	89	10	4.181	BK,WE,GN	BK
560733	16	4	26	30	60	0.415	105	8	4.181	BK,WE,GN,RD	YW
587622	16	5	65	30	85	0.5	144	8	4.181	BK,WE,RD,OE,GN/YW	BK
588983	16	6	65	30	80	0.535	170	8	4.181	BK,WE,RD,GN/YW,OE,BE	BK
578058	16	8	65	30	85	0.575	201	7	4.181	BK,WE,BN,PK,BE,YW,OE,RD	YW
588986	16	8	65	30	80	0.61	217	7	4.181	BK,WE,RD,OE,BE,GN/YW,WE/ BK,RD/BK	BK
201930	16	10	65	30	80	0.639	176	5	4.181	SEE TABLE	BK
201940	16	12	65	30	80	0.658	202	5	4.181	SEE TABLE	BK
263290	14	3	41	45	80	0.515	107	15	2.621	BK,WE,GN/YW	BK
672538	14	3	41	45	85	0.53	146	15	2.621	BK,WE,GN	BK
560703	14	3	41	45	80	0.53	155	15	2.621	BK,WE,GN	BK
593628	14	3	41	45	80	0.535	158	15	2.621	BK,GN,RD	BK
578584	14	3	41	45	80	0.535	156	15	2.621	BK,WE,GN	BK
672540	12	3	65	45	100	0.6	195	20	1.652	BK,WE,GN	BK
560708	12	3	65	45	95	0.605	210	20	1.652	BK,WE,GN	BK
564743**	12	4	65	45	95	0.665	246	16	1.652	BK,WE,RD,GN	BK
631388	10	3	105	45	110	0.683	265	25	1.04	BK,WE,GN	BK

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 2023 National Electrical Code and CEC Table 12.
** Tinned Copper

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Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	DC Resistance	Insul. Color	Jacket Color
	AWG/ Kcmil	No.	No.	mm	mm	mm	kg/km	Amp	Ω/km		
207400	16	3	26	0.76	1.52	9.65	89	10	13.72	BK,WE,RD	BK
588011	16	3	26	0.76	1.65	9.91	131	10	13.72	BK,WE,GN	BK
652927	16	3	65	0.76	1.78	10.34	137	10	13.72	BK,WE,GN/YW	BK
589056	16	3	65	0.76	1.78	10.34	138	10	13.72	BK,WE,GN/YW	BK
672344	16	3	26	0.76	1.91	10.41	132	10	13.72	BK,WE,GN	BK
560733	16	4	26	0.76	1.52	10.54	156	8	13.72	BK,WE,GN,RD	YW
587622	16	5	65	0.76	2.16	12.70	214	8	13.72	BK,WE,RD,OE,GN/YW	BK
588983	16	6	65	0.76	2.03	13.59	253	8	13.72	BK,WE,RD,GN/YW,OE,BE	BK
578058	16	8	65	0.76	2.16	14.60	299	7	13.72	BK,WE,BN,PK,BE,YW,OE,RD	YW
588986	16	8	65	0.76	2.03	15.49	323	7	13.72	BK,WE,RD,OE,BE,GN/YW,WE/ BK,RD/BK	BK
201930	16	10	65	0.76	2.03	16.23	262	5	13.72	SEE TABLE	BK
201940	16	12	65	0.76	2.03	16.71	301	5	13.72	SEE TABLE	BK
263290	14	3	41	1.14	2.03	13.08	159	15	8.60	BK,WE,GN/YW	BK
672538	14	3	41	1.14	2.16	13.46	217	15	8.60	BK,WE,GN	BK
560703	14	3	41	1.14	2.03	13.46	231	15	8.60	BK,WE,GN	BK
593628	14	3	41	1.14	2.03	13.59	235	15	8.60	BK,GN,RD	BK
578584	14	3	41	1.14	2.03	13.59	232	15	8.60	BK,WE,GN	BK
672540	12	3	65	1.14	2.54	15.24	290	20	5.42	BK,WE,GN	BK
560708	12	3	65	1.14	2.41	15.37	313	20	5.42	BK,WE,GN	BK
564743**	12	4	65	1.14	2.41	16.89	366	16	5.42	BK,WE,RD,GN	BK
631388	10	3	105	1.14	2.79	17.35	394	25	3.41	BK,WE,GN	BK

* Ampacities are based on TABLE 400.5(A)(1) of the 2023 National Electrical Code and CEC Table 12.
** Tinned Copper

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Table 3 - Filler, Binder, Insulation and Jacket Colors

Stock Number	Conductor Size	Conductor Number	Filler	Binder	Insulation Colors	Jacket Color
588011	16	3	None	White Tissue Paper	Black, White, Green	White
652927	16	3	None	White Tissue Paper	Black, White, Green-Yellow	Black
589056	16	3	None	White Tissue Paper	Black, White, Green-Yellow	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	Yellow
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

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