# 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.

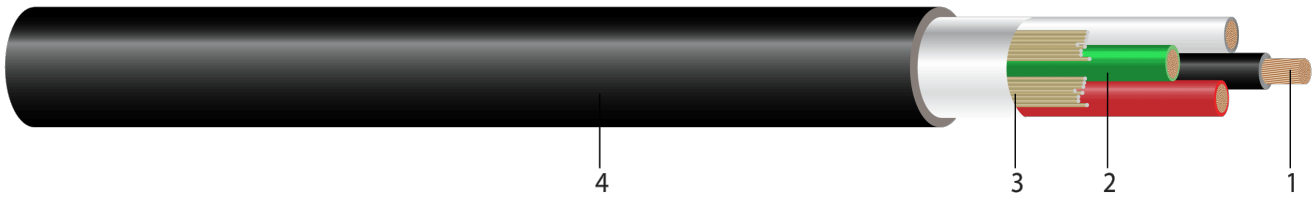



Image not to scale. See Table 1 for dimensions.

## 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 | | |
| 672540 | 12 | 3 | 65 | 45 | 100 | 0.6 | 195 | 20 | 1.652 | 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

## 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 | | |
| 672540 | 12 | 3 | 65 | 1.14 | 2.54 | 15.24 | 290 | 20 | 5.42 | 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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