# SVT

**-20°C to +105°C, 300V**



## Construction
**Conductor:** Bare Copper · Flexible Stranded
**Core Insulation:** Extruded · PVC
**Cabling:** Laid Up
**Core Identification:** Color-coded per Color Code Chart
**Jacket:** Extruded · PVC

## Thermal Characteristics
**Operating Temperature:** -20°C to +105°C

## Electrical Characteristics
**Operating Voltage:** 300V

## Application
**Light-Duty Portable Appliances:** For vacuum cleaners, floor-care appliances, office machines and light-duty domestic or commercial portable equipment where extra flexibility is required.
**Appliances and Pendant Power Connections:** For portable appliances, commercial equipment, pendant fixtures and general-purpose power supply cords within the specified voltage and temperature ratings.

## General Characteristics
**Flexibility:** Flexible construction facilitates routing, bending and installation where space is limited.
**Abrasion Resistance:** Resistant to abrasion, helping protect the cable surface against wear caused by rubbing and handling.
**Mechanical Strength:** Provides mechanical strength to withstand handling and installation stresses and help maintain cable integrity.

## Standards & Approvals
**UL 62:** UL 62 Flexible Cords and Cables, Type SVT.
**CSA C22.2 No. 49:** cUL Flexible Cords and Cables, Type SVT.

## Fire Performance
**Fire Retardant:** VW-1 / FT1

| CASMO Part No. | Conductor | | | Min. Ins. Thickness (mm) | Cable | | | Max. DCR @20°C (Ω/km) |
|---|---|---|---|---|---|---|---|---|
| | Conductor Size (AWG) | No. Of Strands | Nom. Strand Dia. (mm) | | Min. Jkt. Thickness (mm) | Min. Overall O.D. (mm) | Max. Overall O.D. (mm) | |
| 1114052C18 | 18/2 | 41 | 0.16 | 0.33 | 0.61 | 5.59 | 6.48 | 21.8 |
| 1114053C18 | 18/3 | 41 | 0.16 | 0.33 | 0.61 | 5.84 | 6.73 | 21.8 |
| 1114052C16 | 16/2 | 65 | 0.16 | 0.33 | 0.61 | 6.22 | 7.11 | 13.7 |
| 1114053C16 | 16/3 | 65 | 0.16 | 0.33 | 0.61 | 6.60 | 7.49 | 13.7 |

| COLOR CODE CHART | | | | | |
|---|---|---|---|---|---|
| Cond. # | Color | Cond. # | Color | Cond. # | Color |
| 1 | Black | 2 | White | 3 | Green |

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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