



UL 62 / CSA C22.2 No. 49 North American Thermoplastic & TPE Portable Cords

SVT

Appliance Cord

300 V UL 62 / CSA light-duty round thermoplastic PVC vacuum & appliance cord
(18-16 AWG, 2



300 V UL 62 / CSA Type SVT

18 AWG & 16 AWG (2C / 3C)

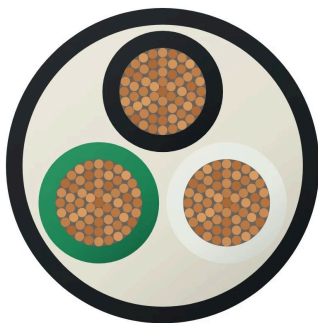
Compact 6.0-7.0 mm Round Profile

Application

Type SVT (Service Vacuum Thermoplastic) is a lightweight, compact 300 V round flexible appliance cord manufactured to UL 62 and CSA C22.2 No. 49. Built with fine-stranded ASTM B174 bare copper conductors in 18 AWG and 16 AWG (2 or 3 conductors, 0.38 mm / 15-mi

Typical uses: Commercial & household vacuums, Medical, dental & laboratory carts, IT, server & office appliance cords, Small kitchen & floor-care appliances, Indoor pendant lighting & displays

Construction



Cross-section, not to scale

1	Fine bunch-stranded copper (34/30 AWG wires)	ASTM B174
2	Thin-wall thermoplastic PVC (15 mil)	UL 62
3	Paper / fibrillated separator tissue	UL 62
4	Smooth appliance-grade PVC jacket (30 mil)	UL 62

Technical data

Typical values

Rated voltage	300 V AC rms	Dielectric withstand test	1.5 kV AC rms for 1 minute
NEC ampacity (Table 400.5(A)(1))	10 A (18/2, 18/3) · 13 A (16/2, 16/3)	Continuous temperature rating	+60 °C, +75 °C, +90 °C or +105 °C per UL 62
Cold bend temperature	-20 °C standard	Min. average insulation thickness	0.38 mm (15 mil) on 18 AWG & 16 AWG
Min. average jacket thickness	0.76 mm (30 mil) on 18 AWG & 16 AWG	Flame retardancy	UL 1581 VW-1 vertical flame & CSA FT2 horizontal flame
Surface finish	Non-marring low-friction gloss or matte PVC	Standards	UL 62, CSA C22.2 No. 49 & NEC Article 400

Sizes

8 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Designation	AWG × Conductors	Stranding / NEC Amps	Nom. OD mm	Copper kg/km	Total mass ≈ kg/km	Min. bend R mm
SVT size schedule 8 sizes						
☐ SVT 18/2 (16/30)	18 AWG × 2C	16/30 · 10 A	5.90	17.5	44.0	23.6
☐ SVT 18/2 (41/34)	18 AWG × 2C Limp	41/34 · 10 A	5.90	17.5	44.0	23.6
☐ SVT 18/3 (16/30)	18 AWG × 3C	16/30 · 10 A	6.30	26.2	56.0	25.2
☐ SVT 18/3 (41/34)	18 AWG × 3C Limp	41/34 · 10 A	6.30	26.2	56.0	25.2
☐ SVT 17/3	17 AWG × 3C	21/30 · 12 A	6.55	33.0	65.0	26.2
☐ SVT 16/2 (26/30)	16 AWG × 2C	26/30 · 13 A	6.40	27.8	58.0	25.6
☐ SVT 16/3 (26/30)	16 AWG × 3C	26/30 · 13 A	6.80	41.7	74.0	27.2
☐ SVT 16/3 (65/34)	16 AWG × 3C Limp	65/34 · 13 A	6.80	41.7	74.0	27.2

– Dimensions and tolerances conform to UL 62 / CSA C22.2 No. 49 / NEC Art. 400.

Electrical data

8 sizes

AWG × Conductors	Max. DC R @ 20 °C Ω/km	Current in air A	Installed / duty A
18 AWG × 2C	21.400	10	8
18 AWG × 2C Limp	21.400	10	8
18 AWG × 3C	21.400	10	8
18 AWG × 3C Limp	21.400	10	8
17 AWG × 3C	16.900	12	10
16 AWG × 2C	13.500	13	10
16 AWG × 3C	13.500	13	10
16 AWG × 3C Limp	13.500	13	10

– Reference ampacities at +30 °C ambient; apply duty-cycle or grouping correction factors per standard.

Standards and approvals

- ✓ UL Listed Type SVT (300 V)
- ✓ CSA Certified C22.2 No. 49 (FT2 / VW-1)
- ✓ NEC Article 400 Compliant
- ✓ RoHS 3 & REACH Compliant

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

+86 185 9591 3361

Email

info@tebaoflex.com

Web

tebaoflex.com/cables/svt-appliance-cord



Typical values for this cable type, based on UL 62 / CSA C22.2 No. 49 / NEC Art. 400. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.