



PT. HO WAH GENTING

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SPECIFICATION OF SVT AWG 18 x 3C, 105°C

Date : October 26, 2016
Customer : IEWC

1.0 SCOPE

For light-duty portable tools, office equipment, mixers and vacuum cleaners

2.0 TYPE AND RATING

- 2.1 Type : UL SVT AWG 18 X 3C
- 2.2 Rated temperature : 105°C
- 2.3 Rated voltage : 300V

3.0 CONSTRUCTION

3.1 CONDUCTOR

- 3.1.1 Material : Stranded, annealed bare copper (SBR)
- 3.1.2 Diameter of conductor : $41 / 0.160 \text{ mm} \pm 0.005 \text{ mm}$
- 3.1.3 Conductor Resistance : Max. $22.8 \Omega/\text{km}$ (at temperature 25°C)

3.2 INSULATION

- 3.2.1 Material : Polyvinyl Chloride (PVC)
- 3.2.2 Average thickness : 0.38 mm
- 3.2.3 Min. thickness : 0.33 mm
- 3.2.4 Overall diameter : $2.10 \text{ mm} \pm 0.15 \text{ mm}$
- 3.2.5 Colour : BLACK, WHITE & GREEN

3.3 JACKET

- 3.3.1 Material : Polyvinyl Chloride (PVC)
- 3.3.2 Average thickness : 0.76 mm
- 3.3.3 Min. thickness : 0.61 mm
- 3.3.4 Overall diameter : $6.10 \text{ mm} \pm 0.20 \text{ mm}$
- 3.3.5 Colour : As per customer request

4.0 MARKING

E217996 (UL) SVT VW-1 105°C 300V 3/C 0.823 mm² (AWG 18)

c(UL) SVT FT2 105°C 300V 3/C 18 AWG (0.823 mm²)

5.0 DRAWING

