



Marking

E148000 AWM STYLE 1015 6AWG 105°C 600V VW-1 - - -
 AWM I A/B 105°C 600V FT1 -LF- PCXX

Description

Rated Voltage (V)	600
Rated Temperature (°C)	105
Product Standard Certification	UL & JQA
Flammability Test	VW-1, CSA FT1

Application
 For general purpose internal wiring of electronic equipment

Reference Standard
 UL758, UL1581 & CSA C22.2 No. 210

Construction

1 Cores	Stranded Tinned Copper
AWG	6
Construction (±0.004mm)	19/7/0.36
Stranded Dia. (mm)	5.40
Insulation	PVC
Nom. Thickness (mm)	1.55
Min. Thickness (mm)	1.47
Insulation Dia. (±0.20mm)	8.50
Weight (kg/km)	170.94

Color

Available colors from:
 Black / Brown / Red / Orange / Yellow / Green / Blue / Violet
 Gray / White / Light Blue / Pink / Light Green / Light Gray

Part No.: -----

Ref. spec No. : SK-1015-141 Rev.: 2

Revision History

Change the marking(add "I" "A/B" "PCXX" ,TEW==>AWM)

Performance

Electrical Characteristics:

Dielectric Strength (kV/min)	2.0
Max. DC Resistance at 20°C (Ω/km)	1.46

Mechanical Characteristics:

Test Object	Insulation
Test Material	PVC
Before Tensile Strength (Mpa)	≥10.35
Aging Elongation (%)	≥100
Aging Condition (°C)	136±2°C x 168 hrs
After Tensile Strength (Mpa)	≥70% of original
Aging Elongation (%)	≥65% of original
Deformation (121±2°C x 1hr, 1600g)	≤50%
Cold Bend(-20±2°C x 4hrs)	No crack
Heat Shock(136±2°C x 1hr)	No crack

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 Approved by: YANGXH 2009.03.17 Page 1 of 1

*** Usage instruction:**
 Not to be used directly in corrosive environments such as strong acids and strong alkaline.
 not be immersed in water or in a high humidity environment. not be exposed in the sunlight outdoor. It is suggested the wiring minimum bending radius shall be 5 times OD and more, and can not be used in strong stress conditions. The wire needs to be stored indoors, in a dry and ventilated environment. If there's some special requirements for wire, please contact with our sales. When customers purchase our products, they should test to verify whether the products are applicable to the usage.