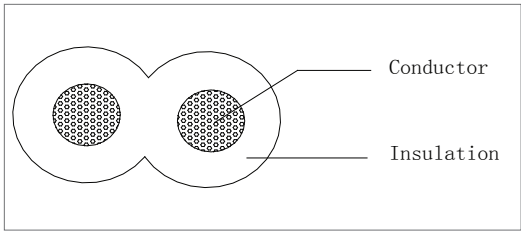


Wire cross section:



marking:

E339579  AWM STYLE 2468 18AWG 80°C 300V
 VW-1 --- C  AWM I A 80°C 300V FT1 TENSILITY

Cable specifications:

conductors

gauge (AWG)	18
material	bare copper
cord size (strands)	41 x 0.16

jacket

material	80°C, 48P, PVC
color	black
diameter (mm)	4.4 ± 0.10

electrical properties

rated voltage (V)	300
rated temperature (°C)	80
insulator resistance (Ohm/Kft)	2.5
operating temperature (°C)	-10 ~ +80
resistance at 20° C (Ohm/Km) max	23.2
spark test (Kv)	3.0/4.0

physical characteristics

material		insulation
unaged	tensile strength (kgf/mm ² min)	1.05
	elongation (% min)	100
aging test	condition	113 °C/168 h
	elongation (% unaged min)	65
	tensile strength (% unaged min)	70
cold bend (-10 ± 1° C, 1 hour)		no observed cracking
heat shock (121 ± 1° C, 1 hour)		no distortion
deformation (121 ± 1° C x 1 hour)		≤50%
flammability rating		VW-1

tolerance X: ±0.5 mm .X: ±0.3 mm .XX: ±0.05 mm
 applicable unless otherwise indicated in specification or on drawings

Initial	Date
----------------	-------------

Revision notes:

Rev	Date	Description
A	September 27, 2010	initial release
A1	August 13, 2012	added operating temperature

Specification Approval

Spec sign-off verifies that you have reviewed the entire specification, tested a sample of the product, and confirm that it meets your requirements. This specification reflects the part as it will be ordered. Orders will not be processed until the specification pages have been initialed and the approval page has been signed. This specification is confidential and is not to be transmitted without prior approval from Tensility.

Signature _____

Title _____

Name _____

Date _____

Company _____

Branch _____