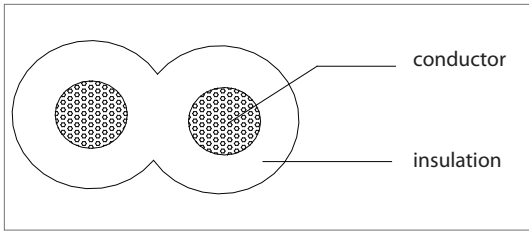


**Wire cross section:**



**marking:**

E339579  AWM STYLE 2468 22AWG 80°C 300V  
 VW-1 --- C  AWM I A 80°C 300V FT1 TENSILITY

**Cable specifications:**

conductors

gauge (AWG)	22
material	bare copper
cord size (strands)	17 x 0.16

jacket

material	80°C, 48P, PVC
color	black
diameter (mm)	3.6 ± 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	55.3
spark test (Kv)	3.0/4.0

physical characteristics

material		insulation
unaged	tensile strength (kgf/mm <sup>2</sup> 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	October 1, 2010	initial release
A1	August 13, 2012	added operating temperature
A2	November 19, 2012	updated description

**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 \_\_\_\_\_