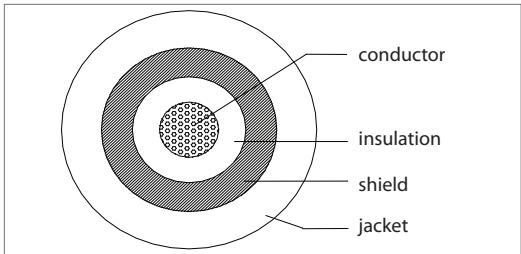


Wire cross section:



marking:

E339579  AWM STYLE 1185 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
spiral shield	41 x 0.16, tinned copper

jacket

material	80°C, 60P, PVC
color	black
diameter (mm)	3.4 ± 0.10

insulation

material	80°C, 50P,
color	white
diameter (mm)	2.05 ± 0.10

electrical properties

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

physical characteristics

material	insulation/jacket PVC	
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	October 15, 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 _____