

**Ratings**

Voltage: 300 V  
 Temperature: 80 °C

**Conductor**



Gauge: 18 AWG  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm  
 Strand count: 41

**Insulator**

Material: PVC, 80 °C  
 Color: black, white  
 Nominal thickness: 0.23 mm  
 Outer diameter: 1.80 mm

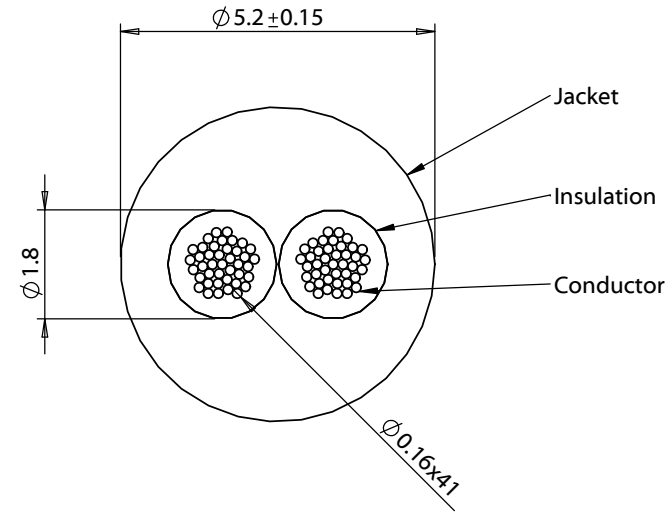
**Outer jacket**

Material: PVC, 80 °C  
 Color: white  
 Thickness: 0.76 mm  
 Diameter: 5.2 ± 0.15 mm  
 Durometer: 91 Shore A

**Wire marking:** E339579  AWM STYLE 2464 18AWG 80°C 300V VW-1 --- C  AWM I A 80°C 300V FT1 LF TENSILITY HLE

**Tests**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Max resistance at 20 °C: 23.2 ohm/km  
 Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113 ± 2 °C for 7 days:  
 Minimum tensile strength 70 % original  
 Minimum elongation 65 % original  
 Heat shock: 121 ± 1 °C / 1 hour, no observed degradation  
 Deformation: 121 ± 1 °C / 1 hour, ≤ 50 %  
 Cold bend: -10 ± 1 °C / 1 hour, no observed cracking  
 Flammability: VW-1  
 Dielectric test: 2000 V ac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION
A	06/24/2014	Initial release

PREPARED:

NOTES:

RoHS and REACH compliant

VERIFIED:

Electrical test: no open, no short circuit, no intermittent

DIMENSIONS ARE IN MILLIMETERS

DESCRIPTION:

Wire, 2C TS, 18 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC, 91A, white

TOLERANCES:  
 X: ± 0.5 mm  
 X.X: ± 0.3 mm  
 X.XX: ± 0.05 mm

**TENSILITY**

20802 Sockeye Place #130  
 Bend, OR 97701 USA  
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 800 877.670.7118 www.tensility.com

SIZE

A

PART NUMBER

**30-00351**

SCALE: 8:1

WEIGHT:

SHEET 1 OF 1