

**Ratings**

Voltage: 300 V  
 Temperature: -25 ~ 80 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 2  
 Gauge: 18 AWG 0.82 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\varnothing 0.16 \times 41$   
 Resistance at 20 °C: 23.2  $\Omega$  /km max

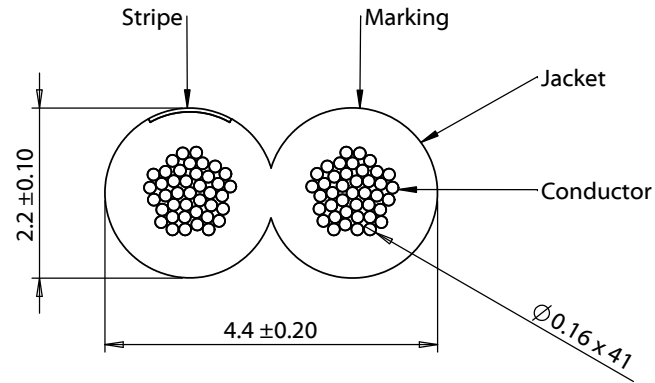
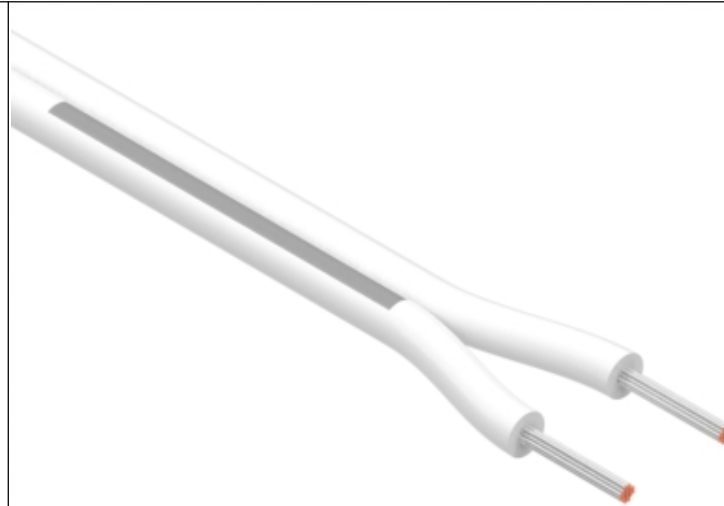
**Outer jacket**

Material: PVC  
 Color: white  
 Diameter: 4.4  $\pm 0.20$  mm  
 Nominal thickness: 0.50 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

**Wire marking:** E339579 UL AWM STYLE 2468 18 AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

**Tests**

Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113  $\pm 2$  °C for 7 days:  
     Minimum tensile strength 70 % original  
     Minimum elongation 65 % original  
 Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
 Deformation: 121  $\pm 1$  °C /1 hour,  $\leq 50$  %  
 Cold bend: -10  $\pm 2$  °C /1 hour, no observed cracking



Revision:	Date:	Description:	Prepared:	Notes: RoHS and REACH compliant	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118                  fax 1.541.323.4202 web tensility.com</p>	
A	07/09/2014	Initial release	Verified:			Function test: no open, no short circuit, no intermittent
A1	01/08/2016	Corrected tolerances	Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Description: Wire, 2C TS, 18 AWG, UL2468, 300V, 80C, 4.4 mm, VW-1, PVC, white	Size:	Part number:
A2	09/05/2018	Increased operating temperature range			A	30-00396
					Scale: 10:1	

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