

**Ratings**

Voltage: 300 V  
 Temperature: -10 to 105 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 2  
 Gauge: 16 AWG 1.32 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.25 mm x 26

**Outer jacket**

Material: PVC/38P  
 Color: black  
 Diameter: 4.8 ±0.30 mm (2.4±0.15 x 2)  
 Nominal thickness: 0.44 mm

**Electrical requirements**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Conductor maximum resistance at 20 °C: 14.6 ohms/km  
 Jacket resistance at 20 °C: 10 Mohms/km  
 Dielectric test: 2000 Vac for 1 minute with no breakdown

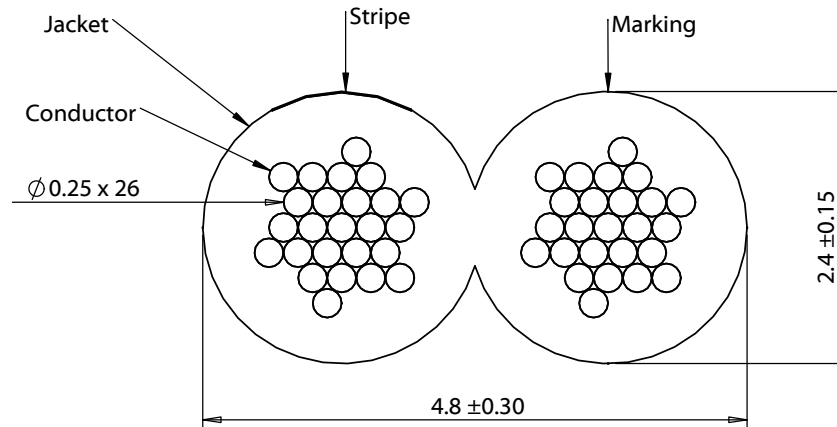
**Mechanical requirements**

Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 136±2 °C for 7 days:  
 Minimum tensile strength 70% original  
 Minimum elongation 65% original

**Environmental requirements**

Heat shock: 136±1 °C/1 hour, no observed degradation  
 Deformation: 136±1 °C/1 hour, ≤50%  
 Cold bend: -10±2 °C/1 hour, no observed cracking

**Wire marking:** E339579 UL AWM STYLE 2651 16 AWG 105°C 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:	Prepared:	Notes:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	12/05/2016	Initial release	Verified:	RoHS and REACH compliant Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 2C TS, 16 AWG, UL2651, 300V, 105C, 4.8 mm, VW-1, PVC	Size: Part number: A 30-00790
					Scale: 15:1  Sheet 1 of 1