

**Ratings**

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

**Conductor**

Conductor count: 2  
 Gauge: 28 AWG 0.09 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.12 mm x 7  
 Max resistance at 20 °C: 250Ω/km

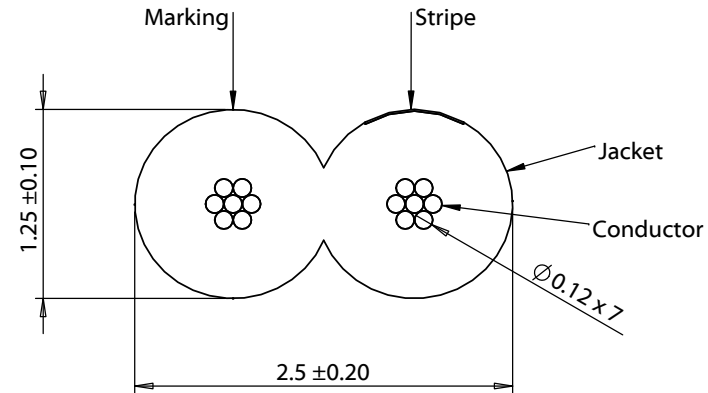
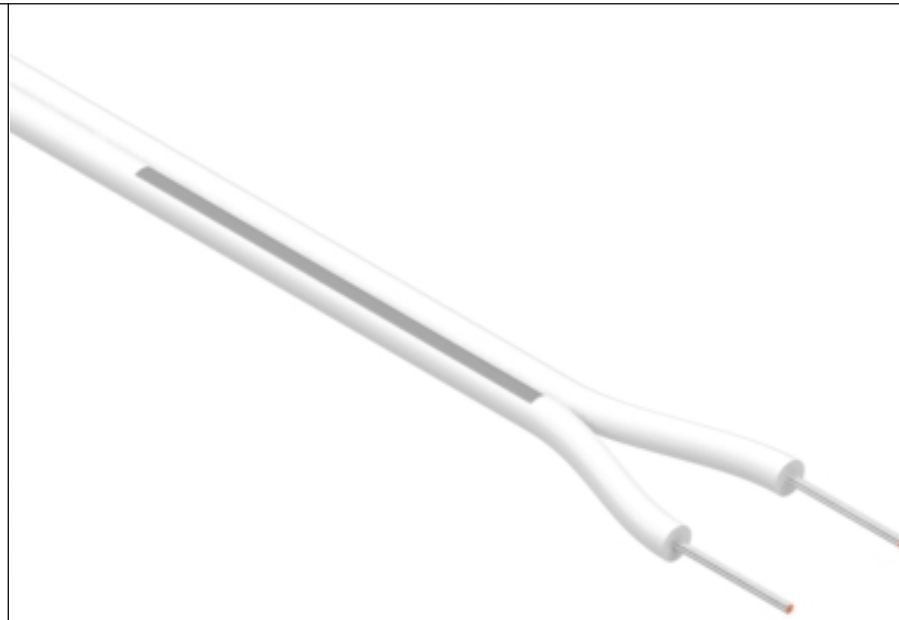
**Outer jacket**

Material: PVC, 38P  
 Color: white  
 Diameter: 2.5 ±0.20 mm (1.25x2)  
 Nominal thickness: 0.41 mm  
 Max resistance at 20 °C: 10 MΩ/km

**Wire marking:** E339579 UL AWM STYLE 2651 28 AWG 105°C  
 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY

**Tests**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 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  
 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  
 Dielectric test: 2000 Vac for 1 minute without breakdown



Revision:	Date:	Description:	Prepared:	Notes: RoHS and REACH compliant	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	3/2/2017	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size: Part number:
				Wire, 2C TS, 28 AWG, UL2651, 300V, 105C, 2.5 mm, VW-1, PVC, 38P, white	A 30-00809
				Scale: 20:1	Sheet 1 of 1