

**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 0.13 mm x 7  
 Max resistance at 20 °C: 239 ohm/km

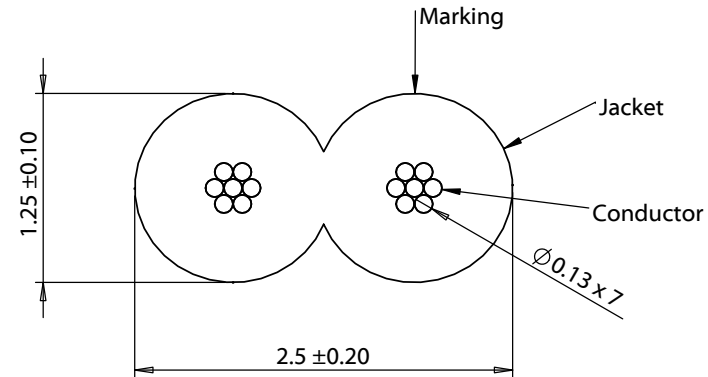
**Outer jacket**

Material: PVC  
 Color: red and black  
 Diameter: 2.5 ±0.20 mm (1.25x2.5)  
 Nominal thickness: 0.38 mm

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

**Tests**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 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:<br>RoHS and REACH compliant  | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |
| A         | 10/26/2016 | Initial release | Verified:  |   |   |
|           |            |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm | Description:  | Size: Part number:  |
|           |            |                 |  | Wire, 2C TS, 28 AWG, UL2651, 300V, 105C, 2.5 mm, VW-1, PVC, red and black | A 30-00810  |
|           |            |                 |  | Scale: 20:1   | ⊙ □   |