

**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

**Outer jacket**

Material: PVC/38P  
Color: black  
Diameter: 2.5 ±0.20 mm (1.25 ±0.1 x 2)  
Nominal thickness: 0.41 mm

**Electrical requirements**

Voltage test: 300 V  
Spark test: 3.0 kV  
Conductor maximum resistance at 20 °C: 250 ohms/km  
Jacket resistance at 20 °C: 10 Mohms/km  
Dielectric test: 2000 Vac for 1 minute with no breakdown

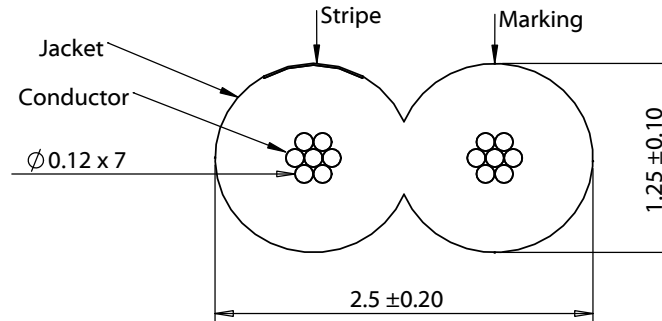
**Mechanical requirements**

Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
After aging at 136±2 °C for 7 days:  
Minimum tensile strength 70% of original  
Minimum elongation 65% of 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 28 AWG 105°C  
300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:
A	12/06/2016	Initial release

**Prepared:**  
AG  
Digitally signed by AG  
Date: 2017.10.20  
11:59:28 -07'00'

**Verified:**  
GL  
Digitally signed by GL  
Date: 2017.10.23  
16:48:30 -07'00'

Dimensions are in millimeters.  
Tolerances:  
X: ± 0.5 mm  
X.X: ± 0.3 mm  
X.XX: ± 0.05 mm

**Notes:**  
RoHS and REACH compliant

**Function test:** no open, no short circuit, no intermittent

**Description:**  
Wire, 2C TS, 28 AWG, UL2651, 300V, 105C, 2.5 mm, VW-1, PVC

# TENSILITY

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<b>Size:</b> A	<b>Part number:</b> 30-00808
<b>Scale:</b> 20:1	Sheet 1 of 1