

**Ratings**

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

**Conductor**

Conductor count: 2  
 Gauge: 22 AWG 0.34 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\varnothing 0.16 \times 17$   
 Resistance at 20 °C: 94.2  $\Omega$  /km max

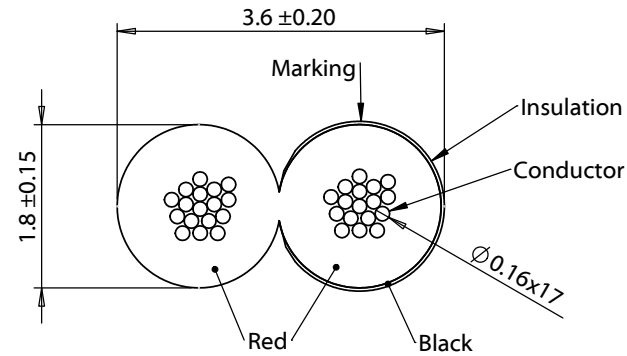
**Insulation**

Material: PVC  
 Color: red, black  
 Diameter: 3.6  $\pm 0.20$  mm  
 Nominal thickness: 0.51 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

**Wire marking:** E339579 UL AWM STYLE 2468 22 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:
A	7/21/2014	Initial release
A1	10/14/2014	Updated jacket construction
A2	9/8/2015	Updated jacket tolerance
A3	9/7/2018	Increased operating temperature range

Prepared: **AG**  
Digitally signed by AG  
 Date: 2018.09.07  
 12:43:14 -07'00'

Verified: **LA**  
Digitally signed by LA  
 Date: 2018.09.07  
 12:52:10 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X:  $\pm 0.5$  mm  
 X.X:  $\pm 0.3$  mm  
 X.XX:  $\pm 0.05$  mm

Notes:  
 RoHS and REACH compliant

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

Description:  
 Wire, 2C TS, 22 AWG, UL2468, 300V, 80°C, 3.6 mm, VW-1, PVC, red and black

**TENSILITY**

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Size: A Part number: 30-00417

Scale: 12:1 Sheet 1 of 1