

**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: 54.9  $\Omega$  /km max

**Insulator**

Material: PVC  
 Color: black, red  
 Diameter:  $\varnothing 1.35 \pm 0.10$  mm  
 Nominal thickness: 0.28 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

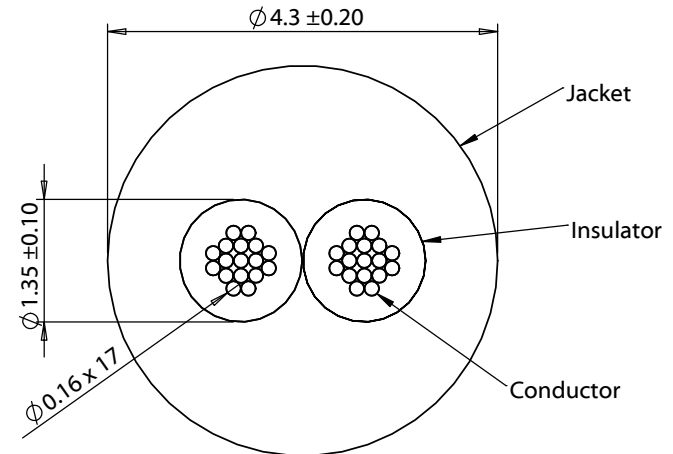
**Outer jacket**

Material: PVC  
 Color: white  
 Diameter:  $\varnothing 4.3 \pm 0.20$  mm  
 Nominal thickness: 0.80 mm

**Wire marking:** E339579 UL AWM STYLE 2464 22 AWG 80°C  
 300V VW-1 --- cUL AWM I/II 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:	Prepared: RS <small>Digitally signed by RS Date: 2018.09.05 16:34:07 -07'00'</small>	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118              fax 1.541.323.4202 web tensility.com</p>
A	01/22/2018	Initial release	Verified: PS <small>Digitally signed by PS Date: 2018.09.05 16:47:22 -07'00'</small>	RoHS and REACH compliant	
A1	09/05/2018	Increased operating temperature range		Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Description:	
				Wire, 2C TS, 22 AWG, UL2464, 300V, 80C, 4.30 mm, VW-1, PVC, white	
				Size: A	Part number: 30-00690
				Scale: 12:1	Sheet 1 of 1