

**Ratings**

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

**Conductor**

Conductor count: 2  
 Gauge: 20 AWG 0.52 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\varnothing 0.16 \times 26$   
 Resistance at 20 °C: 36.7  $\Omega$  /km max

**Insulator**

Material: PVC  
 Color: red, black  
 Diameter:  $\varnothing 1.55 \pm 0.10$  mm  
 Nominal thickness: 0.28 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

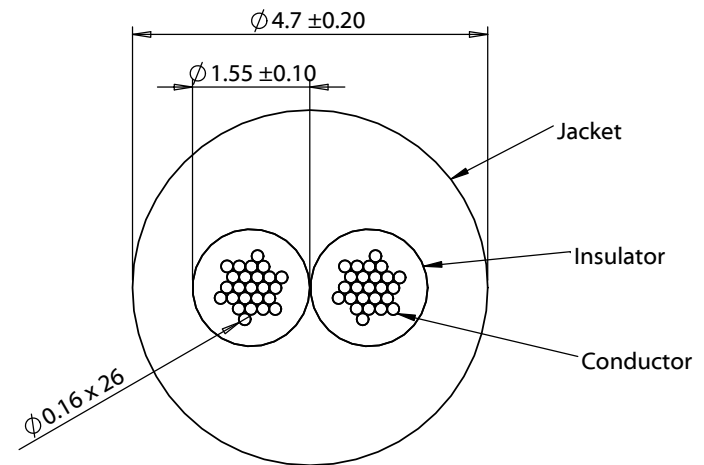
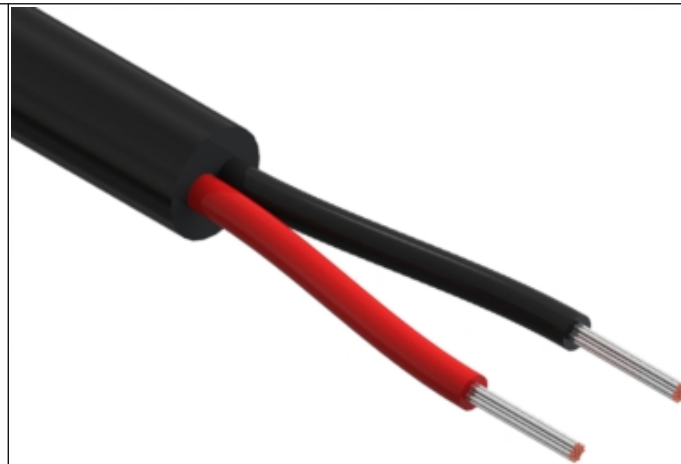
**Outer jacket**

Material: PVC  
 Color: black  
 Diameter:  $\varnothing 4.7 \pm 0.20$  mm  
 Nominal thickness: 0.80 mm

**Wire marking:** E339579 UL AWM STYLE 2464 20 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:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118                  fax 1.541.323.4202 web tensility.com</p>		
A	01/22/2016	Initial release	Verified:	RoHS and REACH compliant			
A1	09/06/2018	Increased operating temperature range	Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Function test: no open, no short circuit, no intermittent	Size: Part number:		
				Description:	Wire, 2C TS, 20 AWG, UL2464, 300V, 80C, 4.70 mm, VW-1, PVC	A 30-00686	
					Scale: 10:1		Sheet 1 of 1

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