

**Ratings**

Voltage: 300 V  
 Temperature: -10 ~ 80 °C

**Conductor**

Gauge: 20 AWG  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm  
 Strand count: 26

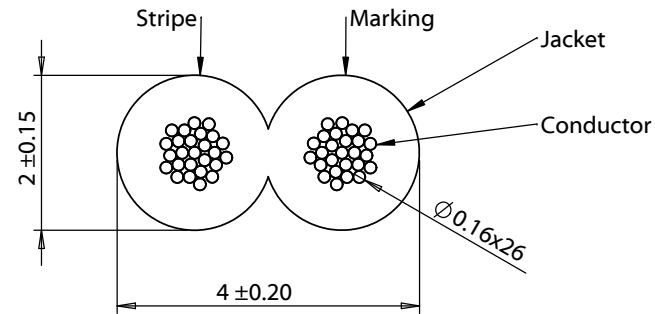
**Outer jacket**

Material: PVC, 80 °C  
 Color: black  
 Thickness: 0.38 mm  
 Diameter: 4 ±0.20 mm (2.0x4.0)  
 Durometer: 87 Shore A

**Wire marking:** E339579 AWM STYLE 2468 20 AWG 80°C 300V VW-1 --- C AWM I A 80°C 300V FT1 TENSILITY

**Tests**

Voltage test: 300 V  
 Spark test: 3.0/4.0 kV  
 Max resistance at 20 °C: 36.7 ohm/km  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113 ±2 °C for 7 days:  
 Minimum tensile strength 70 % original  
 Minimum elongation 65 % original  
 Heat shock: 121 ±1 °C /1 hour, no observed degradation  
 Deformation: 121 ±1 °C /1 hour, ≤ 50 %  
 Cold bend: -10 ±1 °C /1 hour, no observed cracking  
 Flammability: VW-1  
 Dielectric test: 2000 V ac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES:	<h1>TENSILITY</h1> <p>20802 Sockeye Place #130          Bend, OR 97701 USA          tel 541.323.3228 fax 541.323.4202          800 877.670.7118 www.tensility.com</p>	
A	7/09/2014	Initial release		RoHS and REACH compliant		
A1	1/08/2016	Corrected tolerances	VERIFIED:	Electrical test: no open, no short circuit, no intermittent		
			DIMENSIONS ARE IN MILLIMETERS	DESCRIPTION: Wire, 2C TS, 20 AWG, UL2468, 300V, 80C, 4.0 mm, VW-1, PVC, 87A		
			TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	SIZE A	PART NUMBER <b>30-00398</b>	
				SCALE: 10:1	WEIGHT:	SHEET 1 OF 1