



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

Conductor
 Conductor count: 2
 Gauge: 20 AWG 0.52 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.16 \times 26$
 Resistance at 20 °C: 36.7 Ω /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 Ω /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/mm²
 Jacket tensile strength: 1.05 kgf/mm²
 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 ± 2 °C / 1 hour, no observed cracking

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