

Ratings

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

Conductor

Conductor count: 2
 Gauge: 18 AWG 0.82 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.16 \times 41$
 Resistance at 20 °C: 23.2 Ω /km max

Insulator

Material: PVC
 Color: black, red
 Diameter: $\varnothing 1.8 \pm 0.10$ mm
 Nominal thickness: 0.29 mm
 Resistance at 20 °C: 10 M Ω /km min

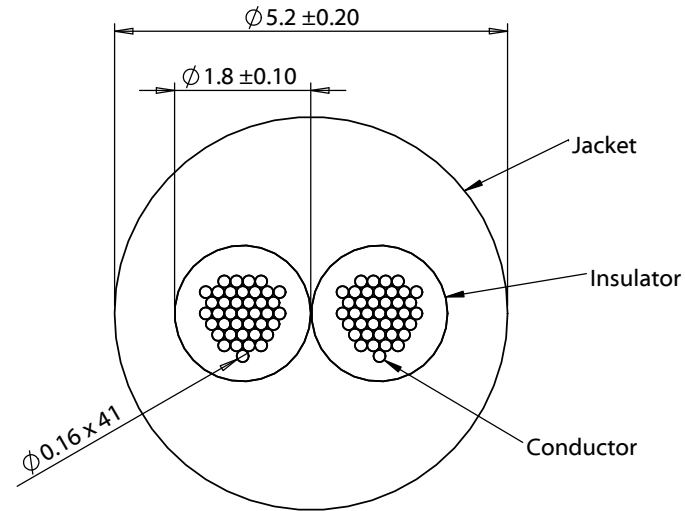
Outer jacket

Material: PVC
 Color: white
 Diameter: $\varnothing 5.2 \pm 0.20$ mm
 Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 2464 18 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> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
A	1/22/2016	Initial release	Verified:	RoHS and REACH compliant	
A1	8/30/2018	Increased operating temperature range	Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size: A
				Description: Wire, 2C TS, 18 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC, white	Part number: 30-00684
					Scale: 12:1
					Sheet 1 of 1

4 3 2 1