

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: $\phi 0.16 \times 41$
 Resistance at 20 °C: 23.2 Ω /km max

Insulator

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

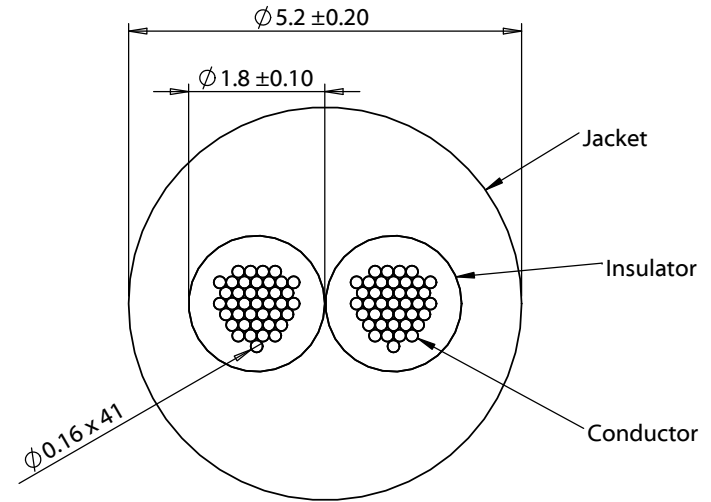
Outer jacket

Material: PVC
 Color: black
 Diameter: $\phi 5.2 \pm 0.20$ 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: A	Date: 01/22/2016	Description: Initial release	Prepared:	Notes: RoHS and REACH compliant	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
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, 18 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC
					Scale: 10:1		Sheet 1 of 1	

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