

**Ratings**

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

**Conductor**

Conductor count: 9  
 Gauge: 18 AWG 0.82 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi$ 0.16 mm x 41  
 Resistance at 20 °C: 23.2  $\Omega$  /km max

**Insulator**

Material: PVC  
 Color: red, black, white, yellow, blue, green, orange, purple, gray  
 Diameter:  $\phi$ 1.8  $\pm$ 0.10 mm  
 Nominal thickness: 0.29 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

**Filler**

Material: cotton rope

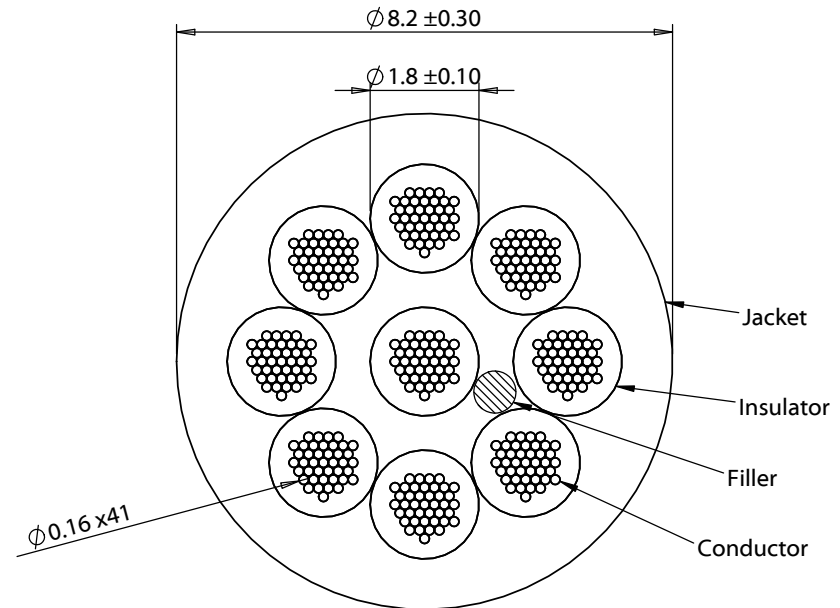
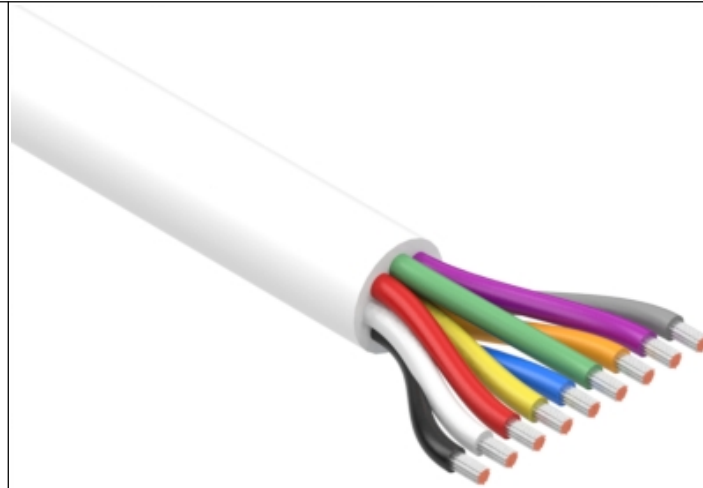
**Outer jacket**

Material: PVC  
 Color: white  
 Diameter:  $\phi$ 8.2  $\pm$ 0.30 mm  
 Nominal thickness: 0.77 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/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: A	Date: 5/16/2019	Description: Initial release	Prepared:	Notes: RoHS compliant	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	Size: A	Part number: 30-01323
			Verified:			Function test: no open, no short circuit, no intermittent	Scale: 8:1
			Dimensions are in millimeters. Tolerances: X: $\pm$ 0.5 mm X.X: $\pm$ 0.3 mm X.XX: $\pm$ 0.05 mm	Description: Wire, 9C TS, 18 AWG, UL2464, 300V, 80C, 8.2 mm, VW-1, PVC, 60P, white			

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