

**Ratings**

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

**Conductor**

Conductor count: 5  
 Gauge: 18 AWG 0.82 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm x 41  
 Resistance at 20 °C: 23.2 Ω /km max

**Insulator**

Material: PVC  
 Color: red, black, white, yellow, blue  
 Diameter: Ø 1.8 ±0.10 mm  
 Nominal thickness: 0.29 mm  
 Resistance at 20 °C: 10 MΩ /km min

**Filler**

Material: cotton rope

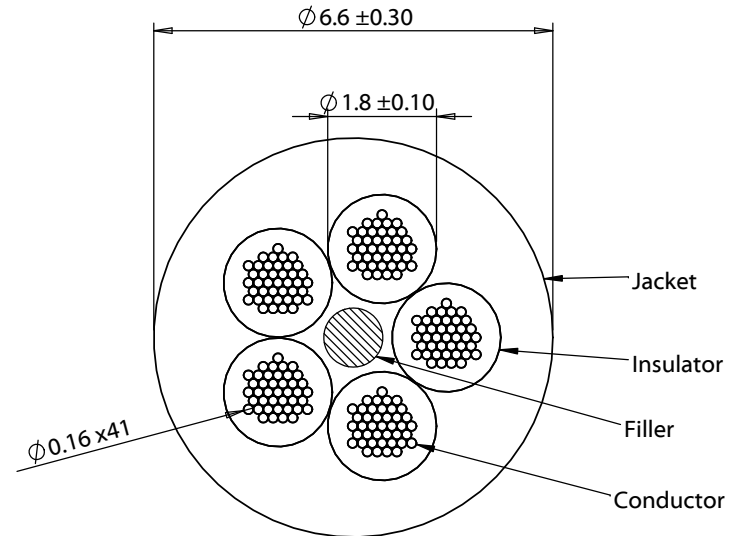
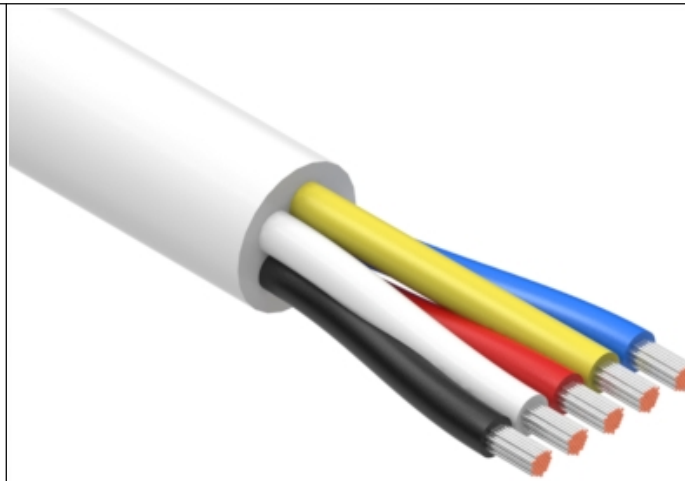
**Outer jacket**

Material: PVC  
 Color: white  
 Diameter: Ø 6.6 ±0.30 mm  
 Nominal thickness: 0.86 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 ±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:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	5/15/2019	Initial release	Verified:	RoHS compliant 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:	Size: Part number:
				Wire, 5C TS, 18 AWG, UL2464, 300V, 80C, 6.6 mm, VW-1, PVC, 60P, white	A 30-01275
				Scale: 8:1	Sheet 1 of 1

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