

**Ratings**

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

**Conductor**

Conductor count: 3  
 Gauge: 18 AWG 0.82 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.16 x 41  
 Resistance at 20 °C: 23.2 Ω /km max

**Insulator**

Material: PVC  
 Color: black, white, red  
 Diameter: Ø 1.8 ±0.1 mm  
 Nominal thickness: 0.29 mm  
 Resistance at 20 °C: 10 MΩ /km min

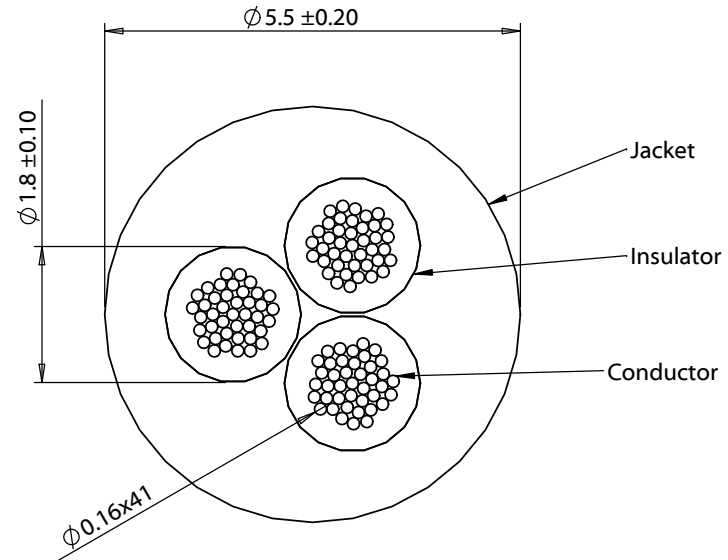
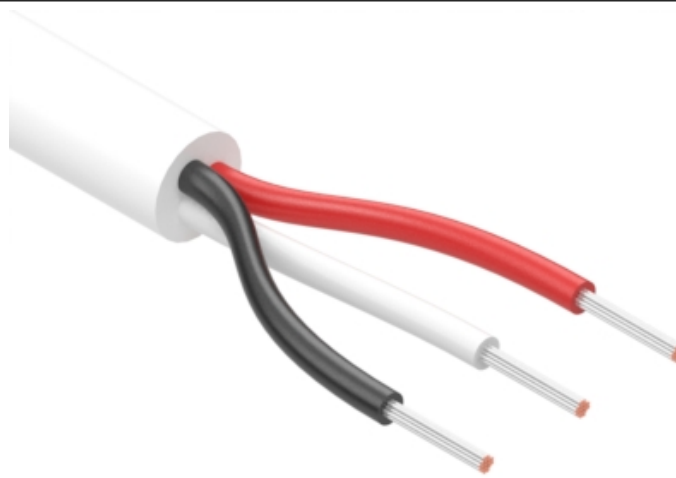
**Outer jacket**

Material: PVC  
 Color: white  
 Diameter: Ø 5.5 ±0.2 mm  
 Nominal thickness: 0.8 mm

**Wire marking:** E339579 UL AWM STYLE 2464 18 AWG 80°C  
 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 LF 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:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118                  fax 1.541.323.4202 web tensility.com</p>
A	06/24/2014	Initial release	Verified:	RoHS and REACH compliant Function test: no open, no short circuit, no intermittent	
A1	09/05/2018	Increased operating temperature range	Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 3C TS, 18 AWG, UL2464, 300V, 80C, 5.5 mm, VW-1, PVC, white	Size: A Part number: 30-00366
					Scale: 10:1