

**Ratings**

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

**Conductor**

Conductor count: 4  
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, yellow  
Diameter: Ø 1.8 ±0.1 mm  
Nominal thickness: 0.29 mm  
Resistance at 20 °C: 10 MΩ /km min

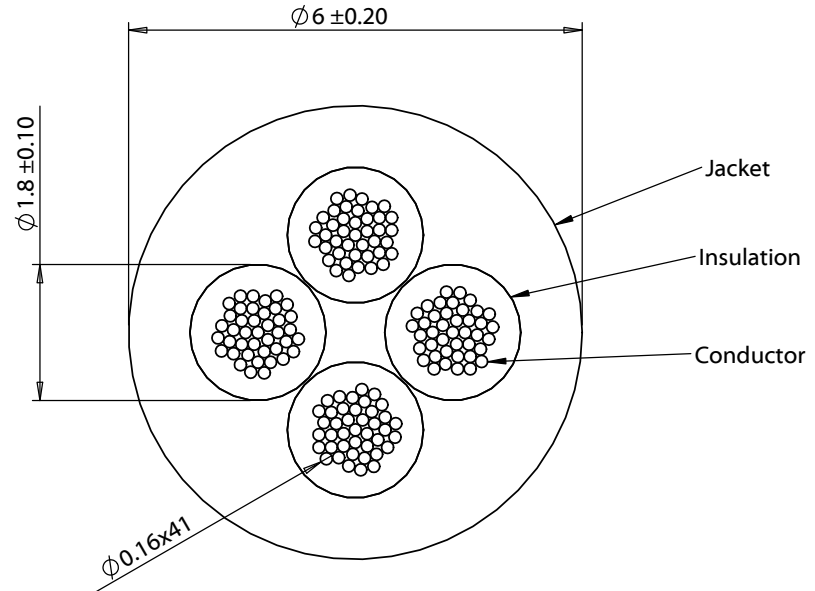
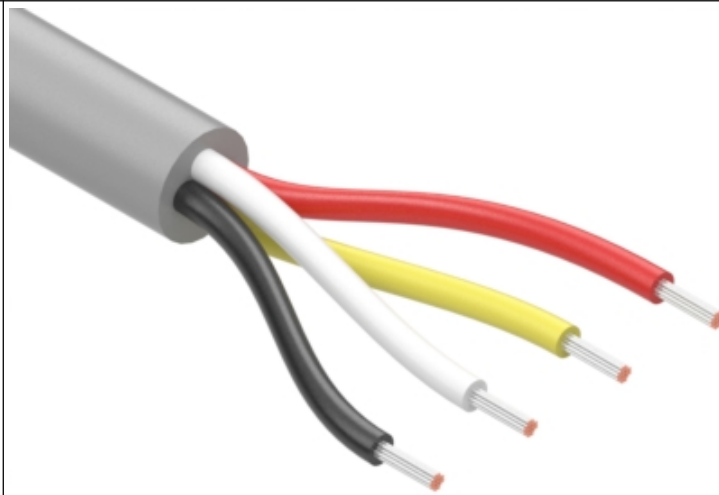
**Outer jacket**

Material: PVC  
Color: gray  
Diameter: Ø 6.0 ±0.2 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 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:
A	06/26/2014	Initial release
A1	09/07/2018	Increased operating temperature range

Prepared:	Notes:
Verified:	RoHS and REACH compliant
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
	Description: Wire, 4C TS, 18 AWG, UL2464, 300V, 80C, 6.0 mm, VW-1, PVC, gray

# TENSILITY

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Size:	Part number:
A	30-00382
Scale: 10:1	Sheet 1 of 1