

**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

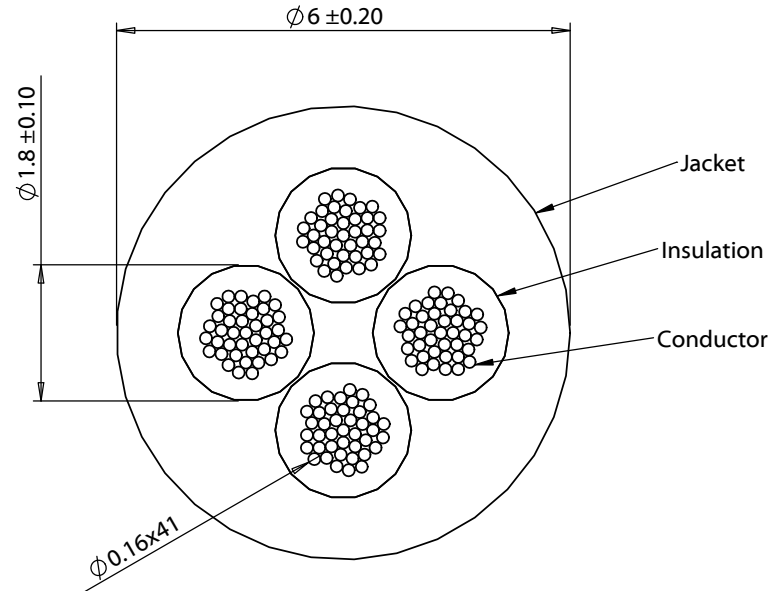
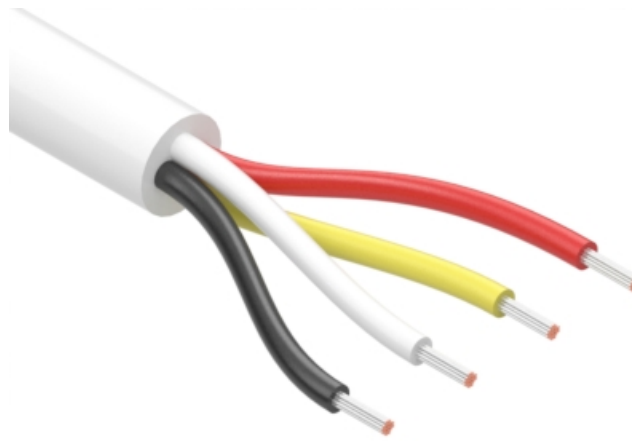
**Outer jacket**

Material: PVC  
 Color: white  
 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	06/25/2014	Initial release
A1	09/06/2018	Increased operating temperature range

Prepared:  
**GL**  
Digitally signed by GL  
 Date: 2018.09.06  
 13:47:34 -07'00'

Verified:  
**PS**  
Digitally signed by PS  
 Date: 2018.09.06  
 14:55:55 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X: ± 0.5 mm  
 X.X: ± 0.3 mm  
 X.XX: ± 0.05 mm

Notes:  
 RoHS and REACH compliant

Function test: no open, no short circuit, no intermittent

Description:  
 Wire, 4C TS, 18 AWG, UL2464, 300V, 80C, 6.0 mm, VW-1, PVC, white

**TENSILITY**

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Size: Part number:  
 A 30-00381

Scale: 10:1 Sheet 1 of 1