

**Ratings**

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

**Conductor**

Conductor count: 6  
 Gauge: 24 AWG 0.22 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi 0.16 \times 11$   
 Resistance at 20 °C: 94.2  $\Omega$  /km max

**Insulator**

Material: PVC  
 Color: black, white, red, yellow, blue, green  
 Diameter:  $\phi 1.2 \pm 0.10$  mm  
 Nominal thickness: 0.28 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

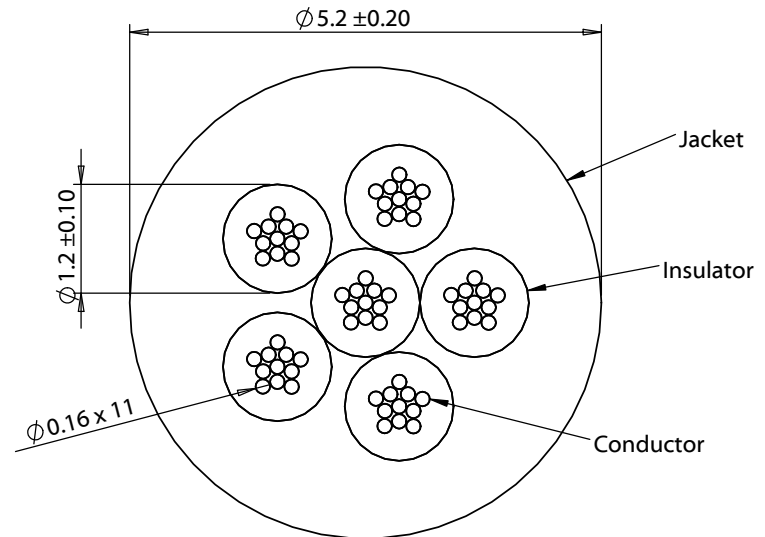
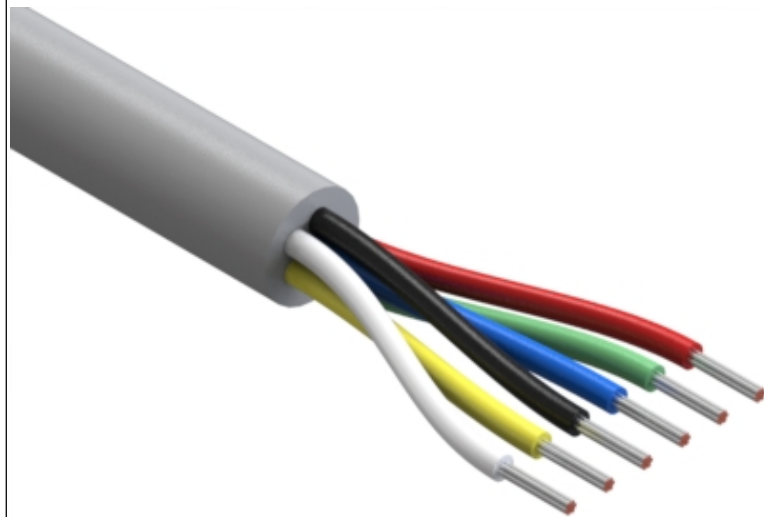
**Outer jacket**

Material: PVC  
 Color: gray  
 Diameter:  $\phi 5.2 \pm 0.20$  mm  
 Nominal thickness: 0.80 mm

**Wire marking:** E339579 UL AWM STYLE 2464 24 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:	Date:	Description:
A	10/13/2015	Initial release
A1	01/26/2016	Updated dimensions
A2	09/06/2016	Increased operating temperature range

Prepared: RS <small>Digitally signed by RS Date: 2018.09.06 16:12:26 -07'00'</small>
Verified: PS <small>Digitally signed by PS Date: 2018.09.06 16:13:01 -07'00'</small>
Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm

Notes: RoHS and REACH compliant
Function test: no open, no short circuit, no intermittent
Description: Wire, 6C TS, 24 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC, gray

# TENSILITY

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Size: A	Part number: 30-00509
Scale: 12:1	

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