

**Ratings**

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

**Conductor**

Conductor count: 7  
 Gauge: 22 AWG 0.34 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\varnothing 0.16$  mm x 17  
 Resistance at 20 °C: 59.4  $\Omega$  /km max

**Insulator**

Material: PVC  
 Color: red, black, white, yellow, blue, green, orange  
 Diameter:  $\varnothing 1.35 \pm 0.10$  mm  
 Nominal thickness: 0.28 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

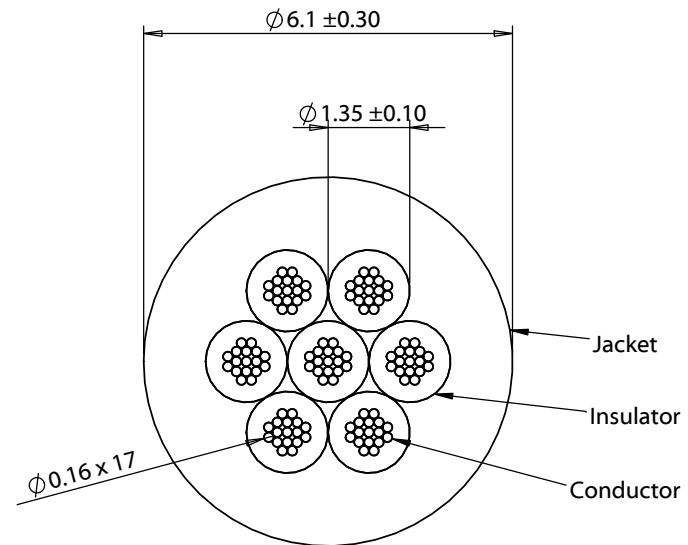
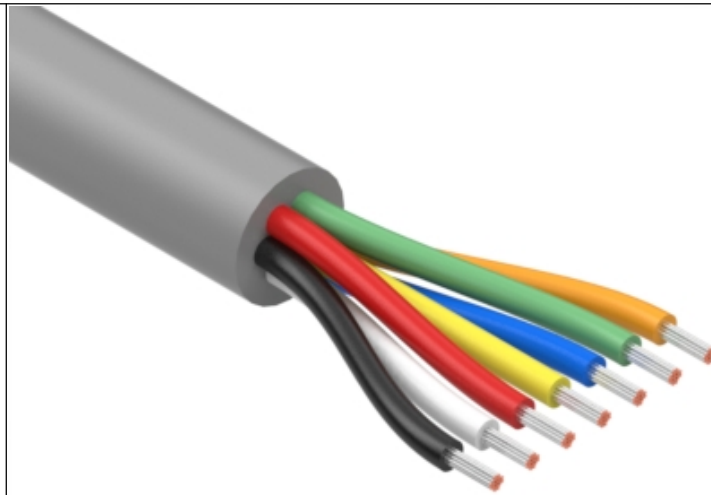
**Outer jacket**



Material: PVC  
 Color: gray  
 Diameter:  $\varnothing 6.1 \pm 0.30$  mm  
 Nominal thickness: 1.0 mm

**Wire marking:** E339579 UL AWM STYLE 2464 22 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:    | Prepared:  | Notes:  | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com   |              |
| A         | 5/16/2019 | Initial release | Verified:  | RoHS compliant<br>Function test: no open, no short circuit, no intermittent |   |              |
|           |           |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: $\pm 0.5$ mm<br>X.X: $\pm 0.3$ mm<br>X.XX: $\pm 0.05$ mm | Description:  | Size: Part number:  |              |
|           |           |                 |  | Wire, 7C TS, 22 AWG, UL2464, 300V, 80C, 6.1 mm, VW-1, PVC, 60P, gray        | A 30-01306  |              |
|           |           |                 |  | Scale: 8:1  |   | Sheet 1 of 1 |

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