

**Ratings**

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

**Conductor**

Conductor count: 1  
Gauge: 26 AWG 0.14 mm<sup>2</sup>  
Material: tinned copper strands  
Strand size:  $\varnothing 0.16 \times 7$   
Resistance at 20 °C: 150  $\Omega$ /km max

**Insulator**

Material: PVC  
Color: white  
Diameter:  $\varnothing 1.35 \pm 0.10$  mm  
Nominal thickness: 0.40 mm  
Resistance at 20 °C: 10 M $\Omega$ /km min

**Shield**

Type: spiral  
Material: tinned copper strands  
Stranding:  $\varnothing 0.1 \times 42$   
Coverage: 90% minimum

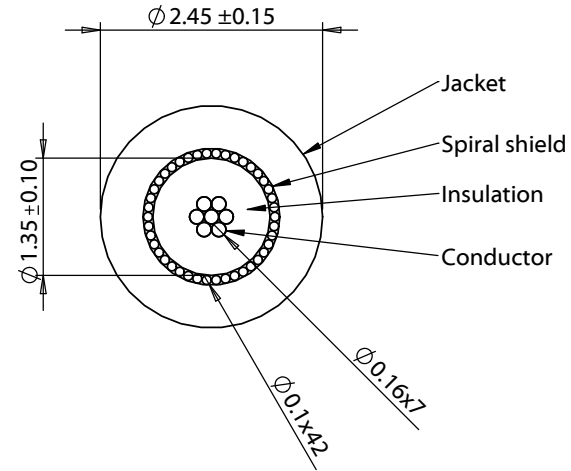
**Outer jacket**

Material: PVC  
Color: white  
Diameter:  $\varnothing 2.45 \pm 0.15$  mm  
Nominal thickness: 0.45 mm

**Wire marking:** E339579 UL AWM STYLE 1185 26 AWG 80°C  
300V VW-1 --- cUL AWM I 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         | 06/24/2014 | Initial release                       |
| A1        | 09/06/2018 | Increased operating temperature range |
|           |            |                                       |
|           |            |                                       |

|  |
|--|
| Prepared:<br>JP<br><small>Digitally signed by JP<br/>Date: 2018.09.06<br/>13:36:05 -0700</small>             |
| Verified:<br>PS<br><small>Digitally signed by PS<br/>Date: 2018.09.06 15:57:26<br/>-0700</small>             |
| 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 |

|   |
|---|
| Notes:<br>RoHS and REACH compliant  |
| Function test: no open, no short circuit, no intermittent                                   |
| Description:<br>Wire, 1C TS, 26 AWG, UL1185, 300V, 80C, 2.45 mm, shielded, VW-1, PVC, white |

**TENSILITY**

tel 1.541.323.3228 800 877.670.7118  
fax 1.541.323.4202 web tensility.com

|             |                          |
|-------------|--------------------------|
| Size:<br>A  | Part number:<br>30-00348 |
| Scale: 12:1 |                          |

Sheet 1 of 1