

**Ratings**

Voltage: 300 V  
 Temperature: 80 °C  
 Flammability: VW-1, FT1

**Conductor**

Conductor count: 2  
 Gauge: 22 AWG, 0.35 mm<sup>2</sup>  
 Material: tinned copper strands  
 Stranding:  $\varnothing 0.16 \times 17$   
 Resistance at 20 °C: 60 ohm/km maximum

**Insulator**

Material: SRPVC, 80 °C  
 Color: black, red  
 Outer diameter:  $\varnothing 1.35 \pm 0.10$  mm  
 Thickness: 0.23 mm minimum average  
 Style: UL 1061

**Outer jacket**

Material: PVC, 80 °C  
 Color: gray  
 Diameter:  $\varnothing 4.3 \pm 0.20$  mm  
 Thickness: 0.76 mm minimum average

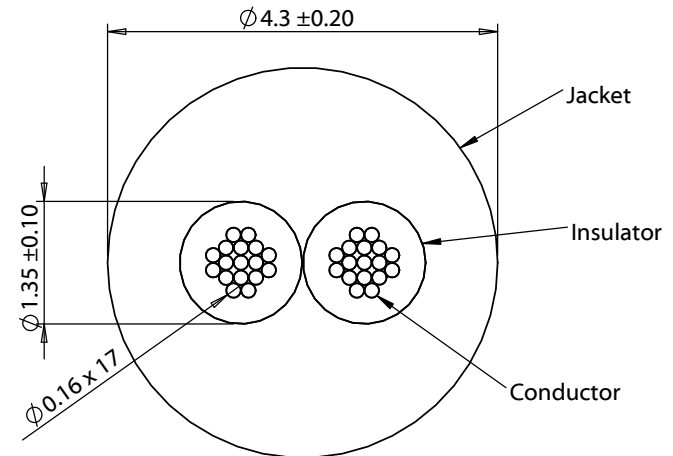
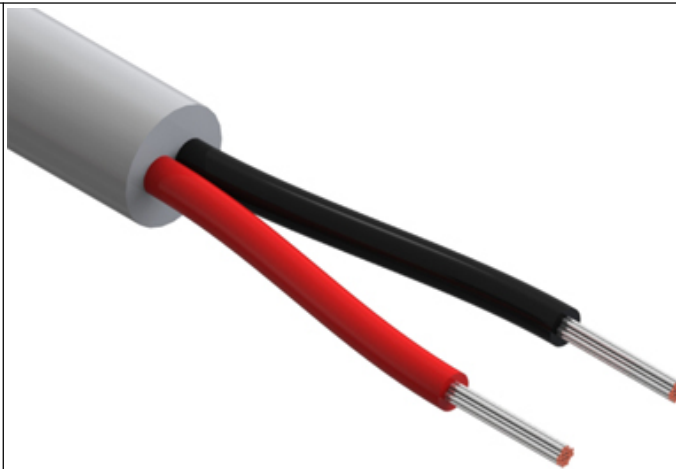
**Wire marking:** E339579 UL AWM STYLE 2464 22AWG 80°C  
 300V VW-1 - - - cUL AWM I A 80°C 300V FT1 TENSILITY

**Tests**

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  
 Flexibility: no observed cracking  
 Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
 Deformation: 121  $\pm 1$  °C /1hour,  $\leq 50$  %  
 Cold bend: -10  $\pm 2$  °C /1 hour, no observed cracking  
 Dielectric: 2000 Vac for 1 minute without breakdown

**Use:**

Internal wiring or external interconnection of electronic equipment



| REVISION | DATE      | DESCRIPTION     | PREPARED:                                                                  | NOTES                                                                            | <b>TENSILITY</b><br>20802 Sockeye Place #130<br>Bend, OR 97701 USA<br>tel 541.323.3228 fax 541.323.4202<br>800 877.670.7118 www.tensility.com |             |              |
|----------|-----------|-----------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
| A        | 1/22/2016 | Initial release |                                                                            | RoHS and REACH compliant                                                         |                                                                                                                                               |             |              |
|          |           |                 | VERIFIED:                                                                  | Function test: no open, no short circuit, no intermittent                        | SIZE                                                                                                                                          | PART NUMBER |              |
|          |           |                 |                                                                            | Meets UL appliance wiring standard 758                                           | A                                                                                                                                             | 30-00691    |              |
|          |           |                 | DIMENSIONS ARE IN MILLIMETERS                                              | DESCRIPTION:<br>Wire, 2C TS, 22 AWG, UL2464, 300V, 80C, 4.30 mm, VW-1, PVC, gray | SCALE: 12:1                                                                                                                                   |             | SHEET 1 OF 1 |
|          |           |                 | TOLERANCES:<br>X: $\pm 0.5$ mm<br>X.X: $\pm 0.3$ mm<br>X.XX: $\pm 0.05$ mm |                                                                                  |                                                                                                                                               |             |              |