

**Ratings**

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

**Conductor**

Conductor count: 5  
 Gauge: 28 AWG, 0.089 mm<sup>2</sup>  
 Material: tinned copper strands  
 Stranding:  $\phi 0.127 \times 7$   
 Resistance at 20 °C: 240 ohm/km maximum

**Insulator**

Material: SRPVC, 80 °C  
 Color: black, white, red, yellow, blue  
 Outer diameter:  $\phi 0.95 \pm 0.10$  mm  
 Thickness: 0.23 mm minimum average  
 Style: UL 1061

**Outer jacket**

Material: PVC, 80 °C  
 Color: white  
 Diameter:  $\phi 4 \pm 0.30$  mm  
 Thickness: 0.76 mm minimum average

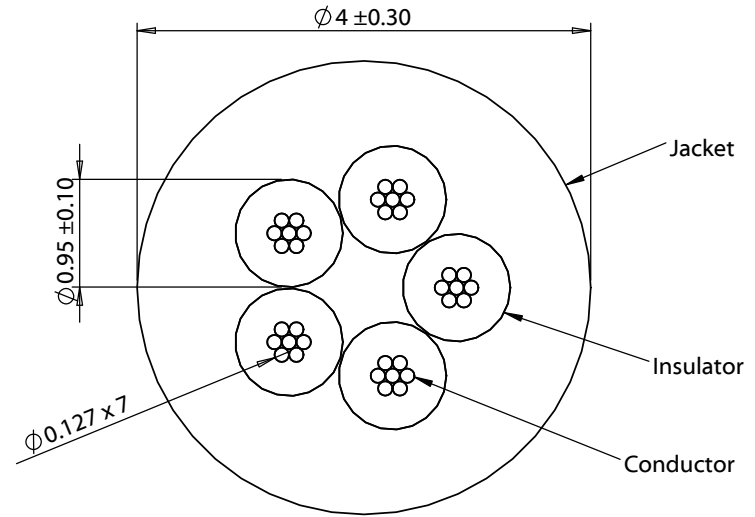
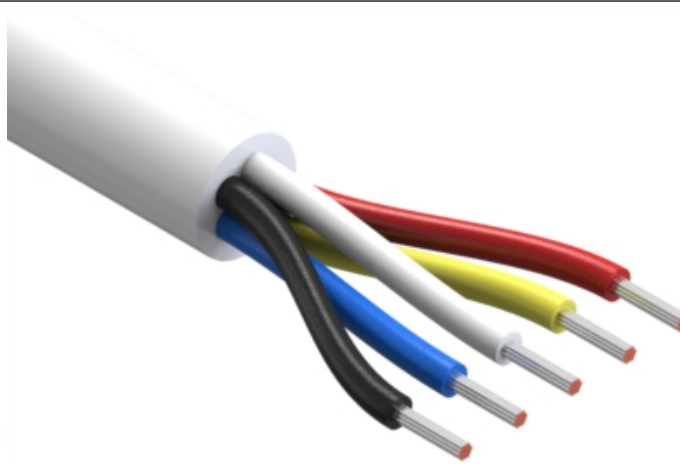
**Wire marking:** E339579 UL AWM STYLE 2464 28AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

**Tests**

Tensile strength: 1.05 kgf/mm<sup>2</sup>  
 After aging at 113 ± 2 °C for 7 days:  
 Minimum tensile strength 70 % original  
 Minimum elongation 65 % original  
 Flexibility: no observed cracking  
 Heat shock: 121 ± 1 °C /1 hour, no observed degradation  
 Deformation: 121 ± 1 °C /1hour, ≤ 50 %  
 Cold bend: -10 ± 2 °C /1 hour, no observed cracking  
 Dielectric: 2500 Vac for 1 minute without breakdown

**Use:**

Internal wiring or external interconnection of electronic equipment



REVISION	DATE	DESCRIPTION
A	10/13/2015	Initial release
A1	1/26/2016	Updated dimensions

PREPARED:  
  
 VERIFIED:  
  
 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  
  
 Meets UL appliance wiring standard 758  
  
 DESCRIPTION:  
 Wire, 5C TS, 28 AWG, UL2464, 300V, 80C, 4.0 mm, VW-1, PVC, white

**TENSILITY**  
 20802 Sockeye Place #130  
 Bend, OR 97701 USA  
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 800 877.670.7118 www.tensility.com

SIZE A	PART NUMBER 30-00505
SCALE: 1:1	SHEET 1 OF 1