

**Ratings**

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

**Conductor**

Conductor count: 10  
 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, green, orange, purple, gray, brown  
 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: gray  
 Diameter:  $\phi 5 \pm 0.30$  mm  
 Thickness: 0.76 mm minimum average

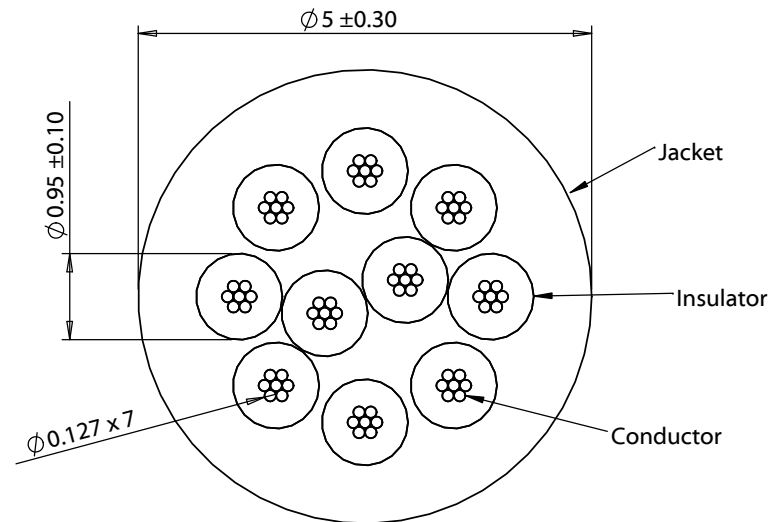
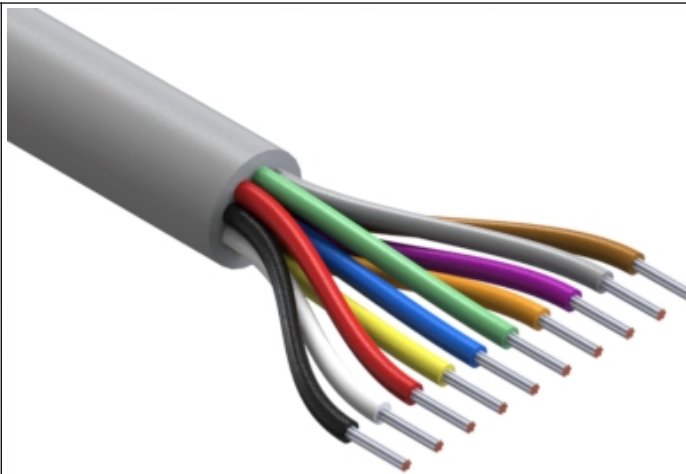
**Wire marking:** E339579 UL AWM STYLE 2464 28AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

**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: 2000 Vac for 1 minute without breakdown

**Use:**

Internal wiring or external interconnection of electronic equipment



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES	<h1>TENSILITY</h1> <p>20802 Sockeye Place #130          Bend, OR 97701 USA          tel 541.323.3228 fax 541.323.4202          800 877.670.7118 www.tensility.com</p>		
A	10/13/2015	Initial release		RoHS and REACH compliant			
A1	1/26/2016	Updated dimensions	VERIFIED:	Function test: no open, no short circuit, no intermittent	SIZE	PART NUMBER	
				Meets UL appliance wiring standard 758	A	30-00536	
			DIMENSIONS ARE IN MILLIMETERS	DESCRIPTION: Wire, 10C TS, 28 AWG, UL2464, 300V, 80C, 5.0 mm, VW-1, PVC, gray	SCALE: 1:1		SHEET 1 OF 1
			TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm				