

**Ratings**

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

**Conductor**

Conductor count: 2  
 Gauge: 20 AWG, 0.52 mm<sup>2</sup>  
 Material: tinned copper strands  
 Stranding:  $\phi 0.16 \times 26$   
 Resistance at 20 °C: 37 ohm/km maximum

**Insulator**

Material: SRPVC, 80 °C  
 Color: black, red  
 Outer diameter:  $\phi 1.55 \pm 0.10$  mm  
 Thickness: 0.23 mm minimum average  
 Style: UL 1061

**Outer jacket**

Material: PVC, 80 °C  
 Color: gray  
 Diameter:  $\phi 4.7 \pm 0.20$  mm  
 Thickness: 0.76 mm minimum average

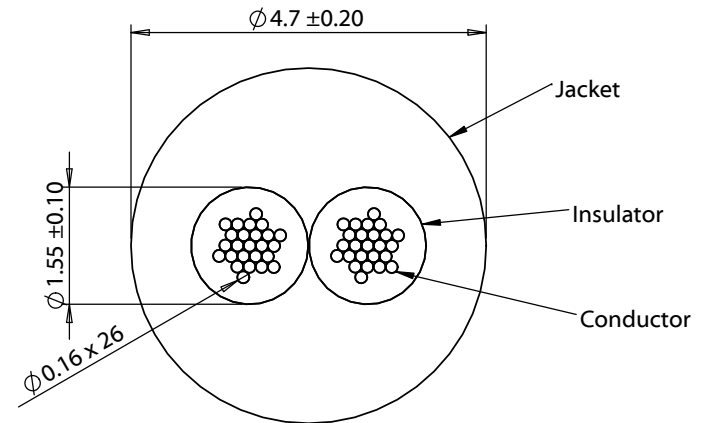
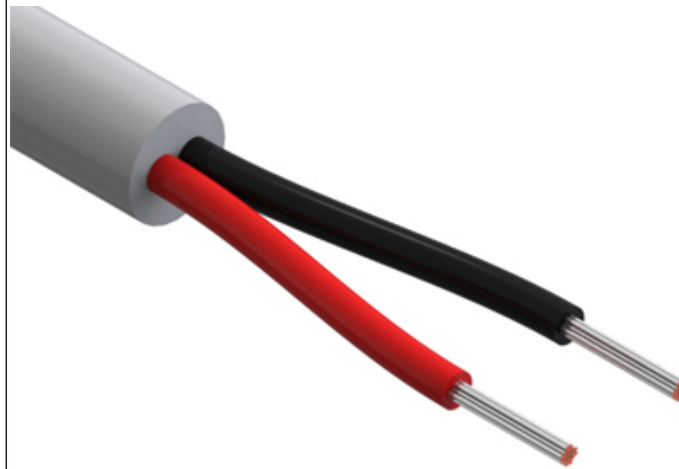
**Wire marking:** E339579 UL AWM STYLE 2464 20AWG 80°C  
 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

**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 /1 hour,  $\leq 50$  %  
 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	<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	1/22/2016	Initial release		RoHS and REACH compliant			
			VERIFIED:	Function test: no open, no short circuit, no intermittent			
				Meets UL appliance wiring standard 758			
			DIMENSIONS ARE IN MILLIMETERS				
			TOLERANCES: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	DESCRIPTION: Wire, 2C TS, 20 AWG, UL2464, 300V, 80C, 4.7 mm, VW-1, PVC	SIZE A	PART NUMBER 30-00688	
					SCALE: 12:1		SHEET 1 OF 1