

**Ratings**

Voltage: 300 V  
 Temperature: -40~105 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 7  
 Gauge: 32 AWG 0.04 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\phi 0.08 \times 7$   
 Resistance at 20 °C: 590  $\Omega$  /km max

**Insulator**

Material: FEP  
 Color: red, black, white, yellow, blue, green, orange  
 Diameter:  $\phi 0.55 \pm 0.10$   
 Nominal thickness: 0.13 mm  
 Resistance at 20 °C: 10 M $\Omega$  /km min

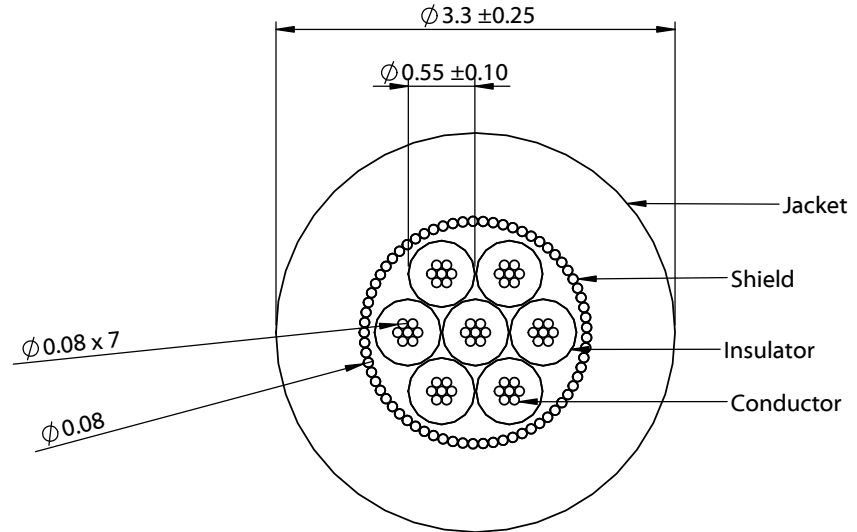
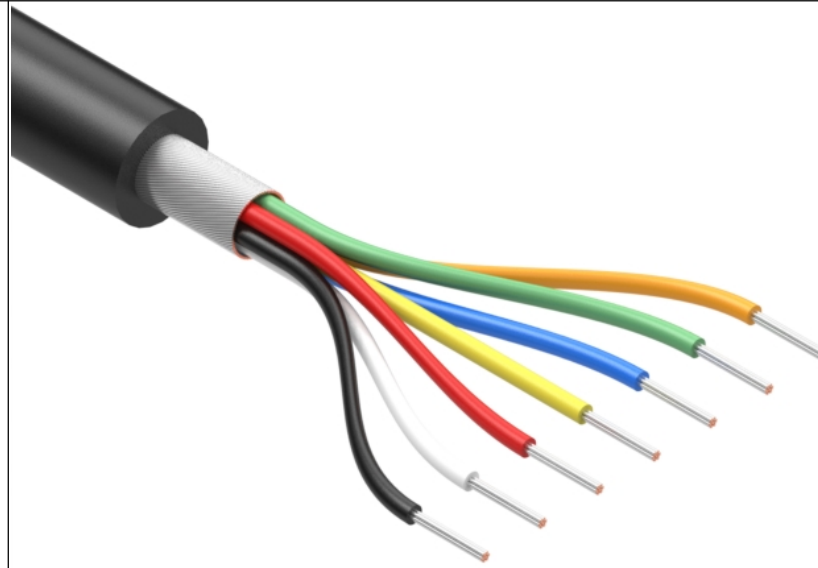
**Shield**

Material: tinned copper strands  
 Strand size:  $\phi 0.08$  mm, 85% min coverage

**Outer jacket**

Material: TPE, 78A  
 Color: black, matte  
 Diameter:  $\phi 3.3 \pm 0.25$   
 Nominal thickness: 0.6 mm

**Wire marking:** E339579 UL AWM STYLE 21296 32 AWG 105°C  
 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY DGT



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant Phthalate free Function test: no open, no short circuit, no intermittent	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118                  fax 1.541.323.4202 web tensility.com</p>
A	10/25/2021	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: $\pm 0.5$ mm X.X: $\pm 0.3$ mm X.XX: $\pm 0.05$ mm	Description:	Size: Part number:
				Wire, 7C TS, 32 AWG, UL 21296, 300V, 105C, 3.3 mm, shielded, VW-1, TPE	A 30-02457
				Scale: 16:1	Sheet 1 of 1