

**Ratings**

Voltage: 300 V  
 Temperature  
 Static: -40 to 105 °C  
 Dynamic: -20 to 105 °C  
 Flammability: VW-1  
 Water resistant: 75 °C  
 Oil resistant: 60 °C (jacket)  
 ≥50% elongation and tensile strength after aging  
 UV resistance: jacket, 720 hours xenon or carbon arc exposure  
 ≥80% tensile strength and elongation after aging

**Conductor**

Conductor count: 4  
 Gauge: 28 AWG 0.09 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.127mm x 7  
 Resistance at 20 °C: 239 Ω /km Max

**Insulator**

Material: PVC  
 Color: red, black, white, yellow  
 Diameter: Ø 1.2 ±0.10 mm  
 Nominal thickness: 0.38 mm  
 Resistance at 20 °C: 10 MΩ /km Min

**Drain**

Stranding: Ø 0.127mm x 7  
 Material: tinned copper strands

**Shield**

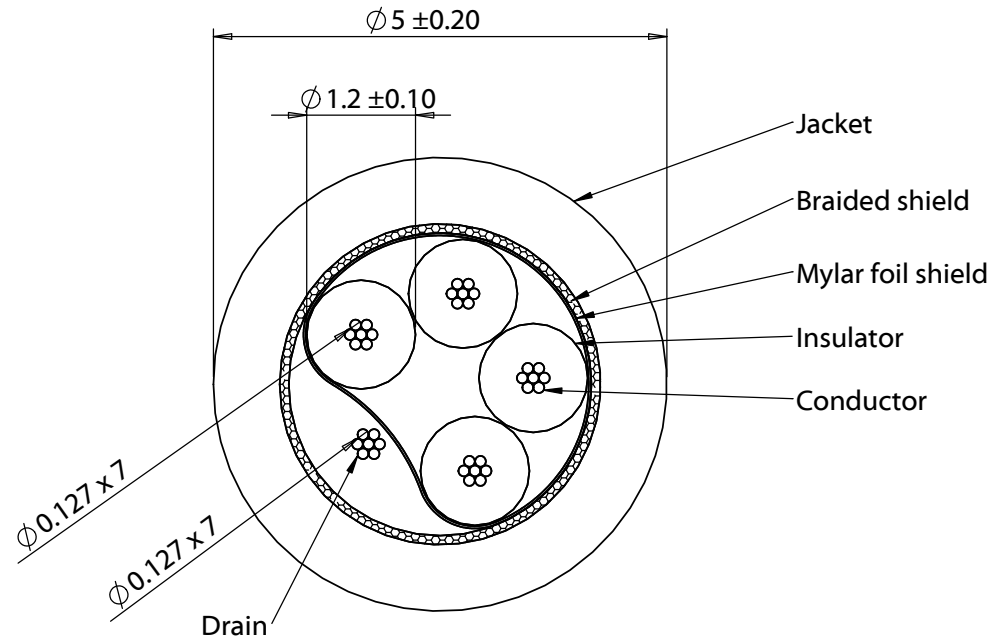
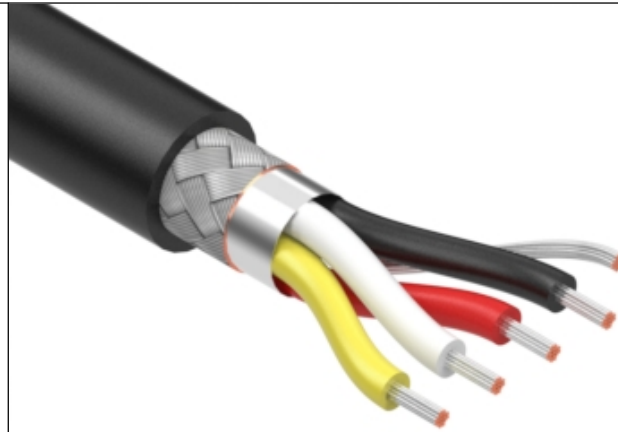
Type: aluminum mylar + tinned copper braid  
 Coverage: 65% min braid, 100% foil  
 Braid stranding: Ø0.10 mm

**Outer jacket**

Material: PVC, 80 A  
 Color: black  
 Diameter: Ø 5 ±0.20 mm  
 Nominal thickness: 0.80 mm

**Wire marking:** E339579 UL AWM STYLE 20387 28 AWG 105°C  
 300V VW-1 60°C OIL RESISTANT UV RESISTANT TENSILITY

**Use:** External wiring



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1>
A	8/25/2020	Initial release	JC <small>Digitally signed by JC Date: 2020.08.26 16:37:44 -07'00'</small>		
			Verified:	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
			Dimensions are in millimeters. Tolerances:	Description:	Size: Part number:
			X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Wire, 4C TS, 28 AWG, UL20387, 300V, 105C, 60C oil, UV, 5 mm, shielded, VW-1, PVC, 80A, black	A 30-01581
					Scale: 12:1  Sheet 1 of 1

5

4

3

2

1