

**Ratings**

Voltage: 300 V  
 Temperature: -40 ~ 80°C (static), -25 ~ 80°C (dynamic)  
 Flammability: VW-1

**Conductor**

Conductor count: 2  
 Gauge: 30 AWG, 0.05 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size:  $\varnothing 0.1$  (x 7) mm  
 Resistance at 20 °C: 381  $\Omega$  /km max

**Insulator**

Material: PVC  
 Color: black, red  
 Diameter:  $\varnothing 0.8 \pm 0.08$  mm  
 Nominal thickness: 0.23 mm  
 Resistance at 20 °C: 2.5 M $\Omega$  /kft min

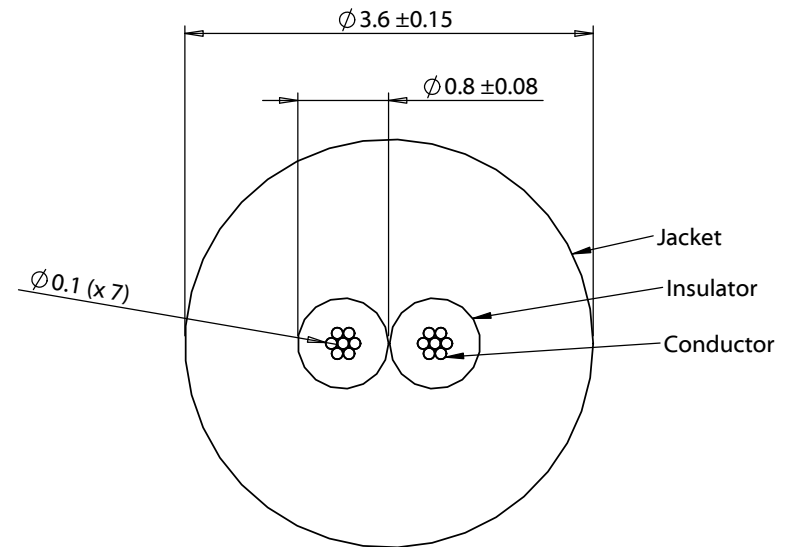
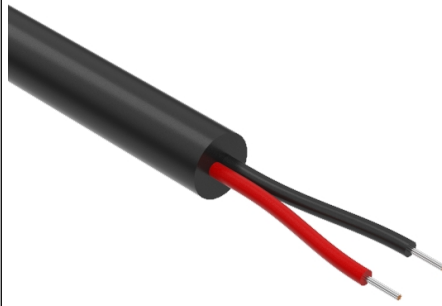
**Outer jacket**

Material: PVC  
 Color: black  
 Diameter:  $\varnothing 3.6 \pm 0.15$  mm  
 Nominal thickness: 0.76 mm

**Wire marking:** E339579 UL AWM STYLE 2464 30 AWG 80°C  
 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 TENSILITY

**Tests**

Jacket 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  
 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 test: 2 kVac for 1 minute with no breakdown  
 Bend radius: 28.8 mm (static), 43.2 mm (dynamic)



Revision:	Date:	Description:	Prepared:	Notes: RoHS and REACH compliant	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	06/17/2026	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, 2C TS, 30 AWG, UL2464, 300V, 80C, 3.6 mm, VW-1, PVC, black	A 30-03913
				Scale: 15:1	Sheet 1 of 1

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