

**Ratings**

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

**Conductor**

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

**Insulator**

Material: PVC  
 Color: black, white, red, yellow  
 Diameter: Ø 0.9 ±0.08 mm  
 Nominal thickness: 0.24 mm  
 Resistance at 20 °C: 2.5 MΩ /kft min

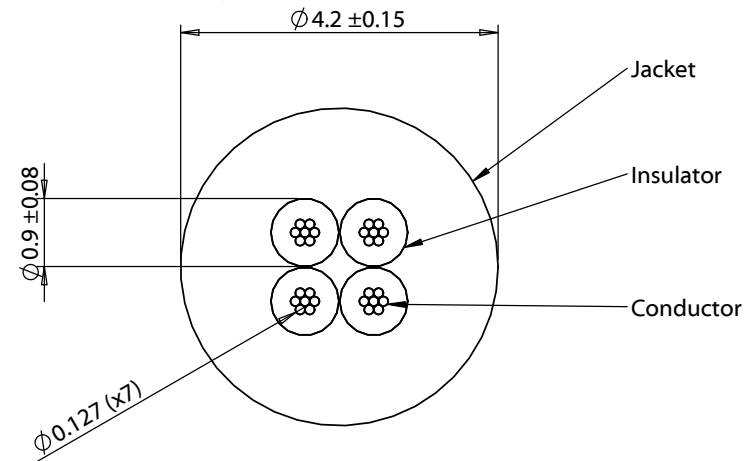
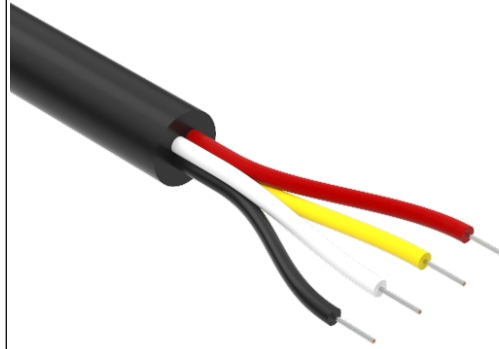
**Outer jacket**

Material: PVC  
 Color: black  
 Diameter: Ø 4.2 ±0.15 mm  
 Nominal thickness: 0.76 mm

**Wire marking:** E339579 UL AWM STYLE 2464 28 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 ±2 °C for 7 days:  
     Minimum tensile strength 70 % original  
     Minimum elongation 65 % original  
 Heat shock: 121 ±1 °C /1 hour, no observed degradation  
 Deformation: 121 ±1 °C /1 hour, ≤ 50 %  
 Cold bend: -10 ±2 °C /1 hour, no observed cracking  
 Dielectric test: 2 kVac for 1 minute with no breakdown  
 Bend radius: 33.6 mm (static), 50.4 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: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 4C TS, 28 AWG, UL2464, 300V, 80C, 4.2 mm, VW-1, PVC, black	Size: Part number: A 30-03918
					Scale: 10:1  Sheet 1 of 1

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