

**Ratings**

Voltage: 300 V  
 Temperature: -25 to 80 °C  
 Flammability: VW-1

**Conductor**

Conductor count: 9  
 Gauge: 24 AWG 0.22 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm x 11

**Insulator**

Material: PVC  
 Color: gray, purple, orange, green, blue, yellow, white, black, red  
 Diameter: Ø 1.2 ± 0.10 mm  
 Nominal thickness: 0.38 mm

**Filler**

Material: cotton rope

**Drain**

Stranding: Ø 0.16 mm x 11, 24 AWG

**Shield**

Type: foil + braided  
 Material: aluminum mylar, tinned copper strands  
 Stranding: Ø 0.127 mm  
 Coverage: 80% minimum

**Outer jacket**

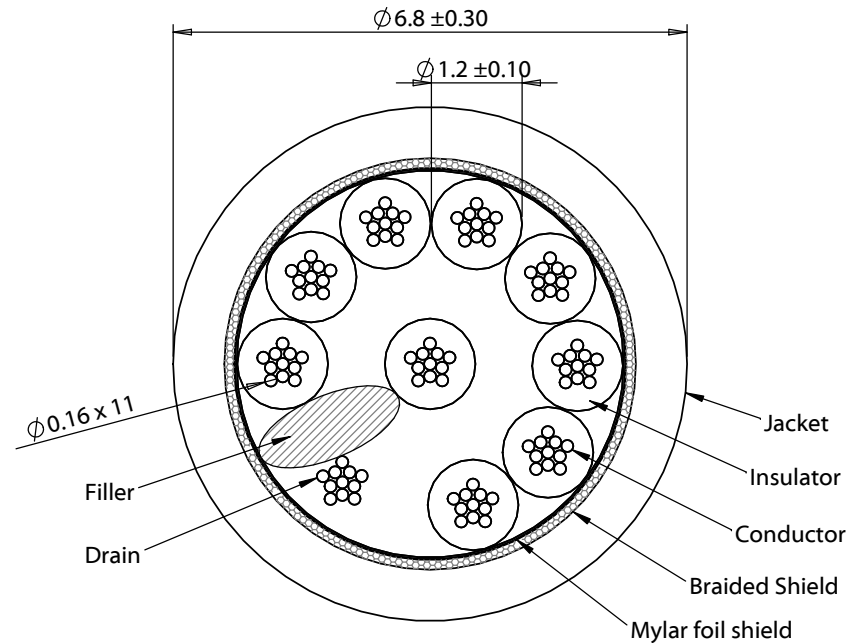
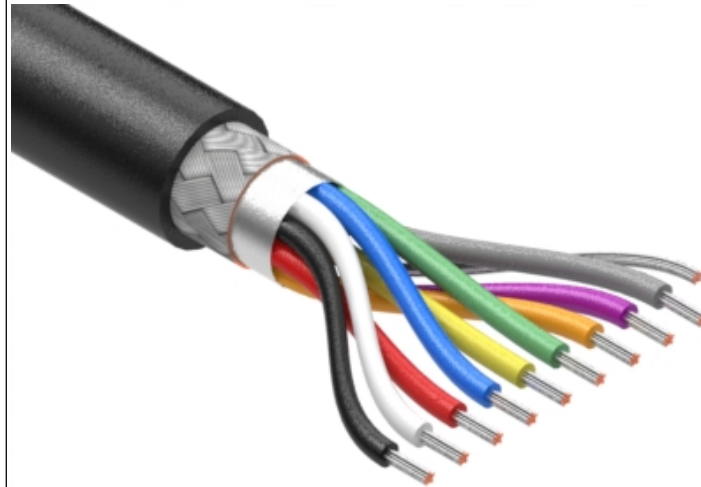
Material: PVC, 80A  
 Color: black  
 Diameter: Ø 6.8 ± 0.30 mm  
 Nominal thickness: 0.8 mm



**Wire marking:** E339579 UL AWM STYLE 2464 24 AWG 80°C  
 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 TENSILITY

**Tests**

Voltage test: 300 V  
 Spark test: 3.0 kV  
 Max resistance at 20 °C: 94.2 ohm/km  
 Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 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: 2000 Vac for 1 minute without breakdown

**Use:** Internal wiring or external interconnection of electronic equipment.



Revision:	Date:	Description:	Prepared:	Notes: RoHS and REACH compliant	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118          fax 1.541.323.4202 web tensility.com</p>
A	04/09/2018	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size: Part number:
				Wire, 9C TS, 24 AWG, UL2464, 300V, 80C, 6.8 mm, shielded, VW-1, PVC, black	A 30-01091
				Scale: 10:1	  Sheet 1 of 1

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