



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

Conductor
 Conductor count: 10
 Gauge: 28 AWG 0.08 mm²
 Material: tinned copper strands
 Strand size: Ø 0.12 mm x 7

Insulator
 Material: PVC
 Color: brown, gray, purple, orange, green, blue, yellow, white, black, red

Diameter: Ø 0.95 ± 0.10 mm
 Nominal thickness: 0.38 mm

Drain
 Stranding: Ø 0.12 mm x 7, 28 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 6.3 ± 0.30 mm
 Nominal thickness: 0.8 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
 Voltage test: 300 V
 Spark test: 3.0 kV
 Max resistance at 20 °C: 250 ohm/km
 Insulation tensile strength: 2.11 kgf/mm²
 Jacket tensile strength: 1.05 kgf/mm²
 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:	<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:	<p>RoHS and REACH compliant</p> <p>Function test: no open, no short circuit, no intermittent</p> <p>Description: Wire, 10C TS, 28 AWG, UL2464, 300V, 80C, 6.3 mm, shielded, VW-1, PVC, black</p>	
			Dimensions are in millimeters.	Size:	Part number:
			Tolerances:	A	30-01107
			X: ± 0.5 mm	Scale:	8:1
			XX: ± 0.3 mm		
			XXX: ± 0.05 mm	Sheet 1 of 1	