

Ratings

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

Conductor

Conductor count: 5
Gauge: 28 AWG 0.09 mm²
Material: tinned copper strands
Strand size: $\phi 0.127 \times 7$
Resistance at 20 °C: 239 Ω /km max

Insulator

Material: PVC
Color: black, white, red, yellow, blue
Diameter: $\phi 0.95 \pm 0.10$ mm
Nominal thickness: 0.26 mm
Resistance at 20 °C: 10 M Ω /km min

Filler

Material: cotton rope

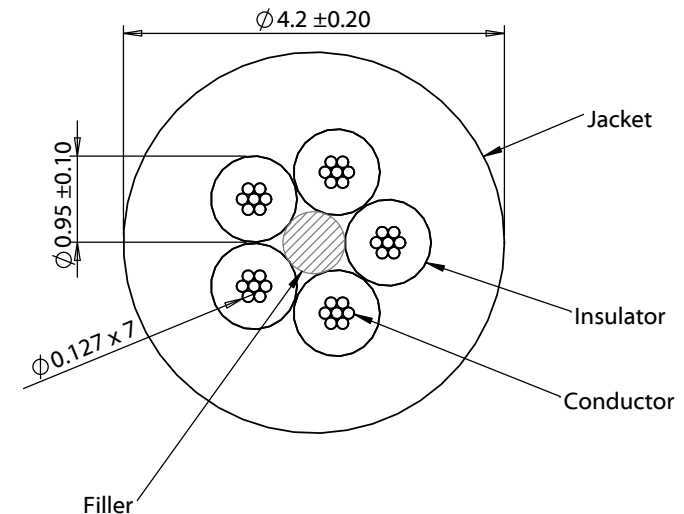
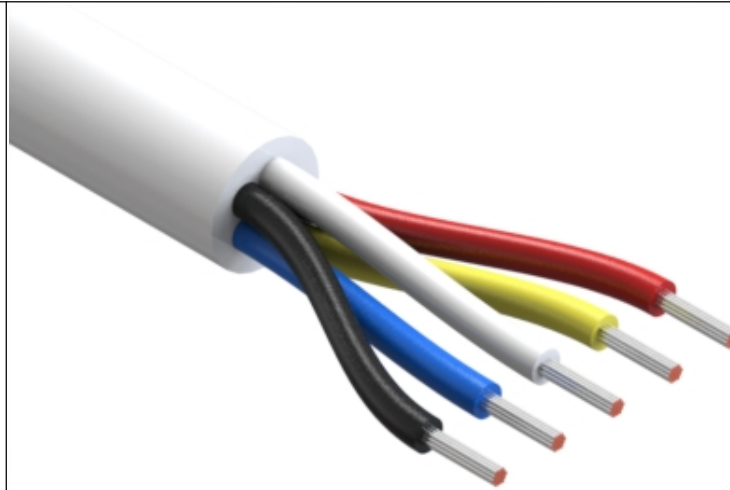
Outer jacket

Material: PVC
Color: white
Diameter: $\phi 4.2 \pm 0.20$ mm
Nominal thickness: 0.80 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

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



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	10/13/2015	Initial release	Verified:	RoHS and REACH compliant			
A1	01/26/2016	Updated dimensions	Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size:	Part number:	
A2	09/06/2018	Increased operating temperature range		Description: Wire, 5C TS, 28 AWG, UL2464, 300V, 80C, 4.2 mm, VW-1, PVC, white	A	30-00505	
					Scale: 12:1		Sheet 1 of 1