

Ratings

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

Conductor

Conductor count: 8
Gauge: 24 AWG 0.22 mm²
Material: tinned copper strands
Strand size: $\varnothing 0.16 \times 11$
Resistance at 20 °C: 94.2 Ω /km max

Insulator

Material: PVC
Color: white, black, red, yellow, blue, green, orange, purple
Diameter: $\varnothing 1.2 \pm 0.10$ mm
Nominal thickness: 0.28 mm
Resistance at 20 °C: 10 M Ω /km min

Filler

Material: cotton rope

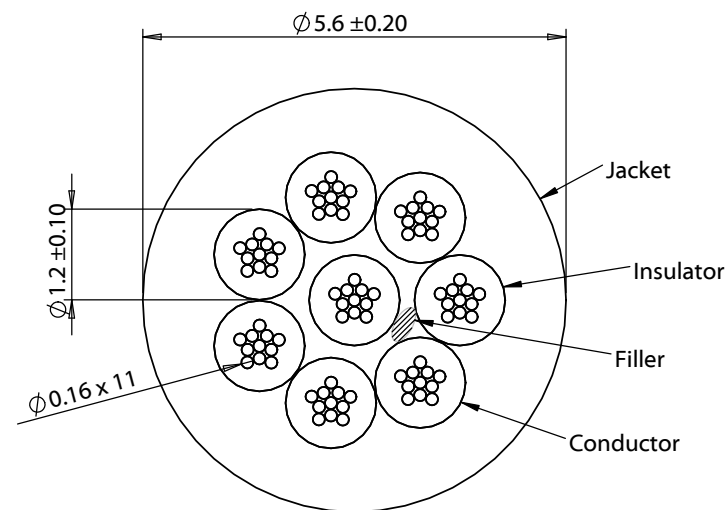
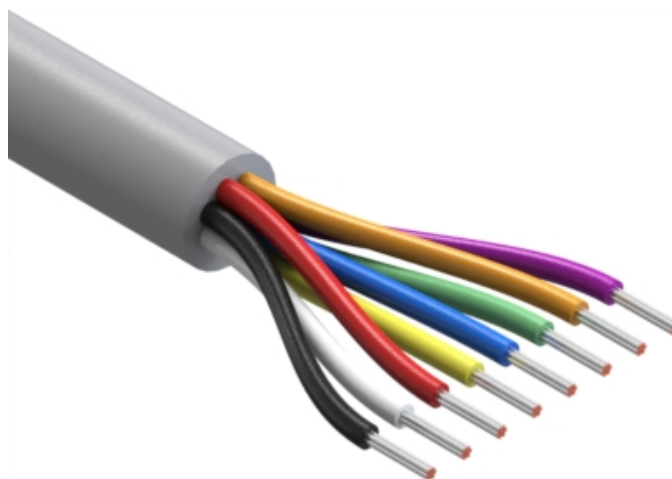
Outer jacket

Material: PVC
Color: gray
Diameter: $\varnothing 5.6 \pm 0.20$ mm
Nominal thickness: 0.82 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

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	1/26/2016	Updated stranding	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: A 30-00521		
A2	8/17/2018	Increased operating temperature range		Description: Wire, 8C TS, 24 AWG, UL2464, 300V, 80C, 5.6 mm, VW-1, PVC, gray			
					Scale: 10:1		Sheet 1 of 1

5

4

3

2

1