

Ratings

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

Conductor

Conductor count: 5
 Gauge: 20 AWG 0.52 mm²
 Material: tinned copper strands
 Strand size: Ø 0.16 mm x 26
 Resistance at 20 °C: 36.7 Ω /km max

Insulator

Material: PVC
 Color: red, black, white, yellow, blue
 Diameter: Ø 1.55 ±0.10 mm
 Nominal thickness: 0.28 mm
 Resistance at 20 °C: 10 MΩ /km min

Filler

Material: cotton rope

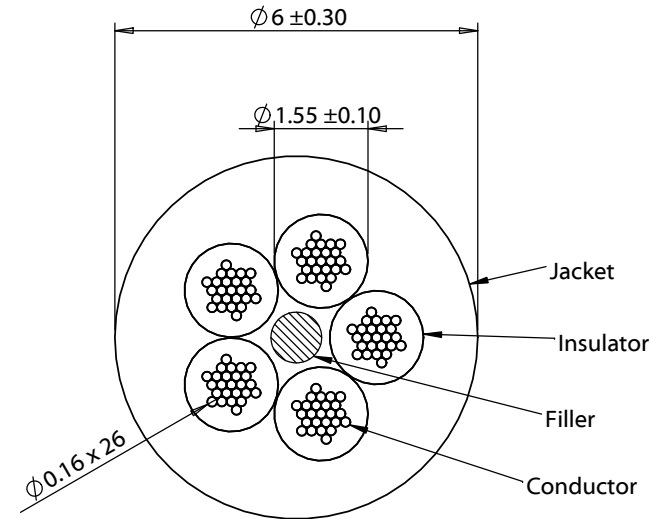
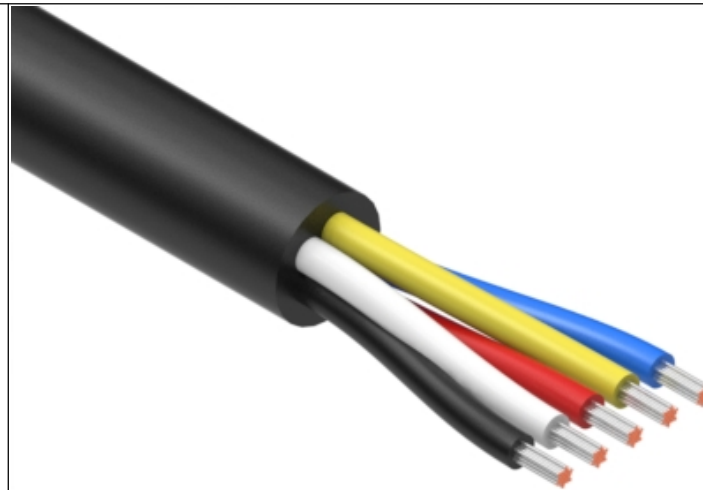
Outer jacket

Material: PVC
 Color: black
 Diameter: Ø 6 ±0.30 mm
 Nominal thickness: 0.89 mm

Wire marking: E339579 UL AWM STYLE 2464 20 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: A	Date: 5/15/2019	Description: Initial release	Prepared:	Notes: RoHS compliant	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>	
			Verified:	Function test: no open, no short circuit, no intermittent		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 5C TS, 20 AWG, UL2464, 300V, 80C, 6.0 mm, VW-1, PVC, 60P	Size: A	Part number: 30-01277
				Scale: 8:1		Sheet 1 of 1