

Ratings

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

Conductor

Conductor count: 8
 Gauge: 18 AWG 0.82 mm²
 Material: tinned copper strands
 Strand size: \varnothing 0.16 mm x 41
 Resistance at 20 °C: 23.2 Ω /km max

Insulator

Material: PVC
 Color: red, black, white, yellow, blue, green, orange, purple
 Diameter: \varnothing 1.8 \pm 0.10 mm
 Nominal thickness: 0.29 mm
 Resistance at 20 °C: 10 M Ω /km min

Filler

Material: cotton rope

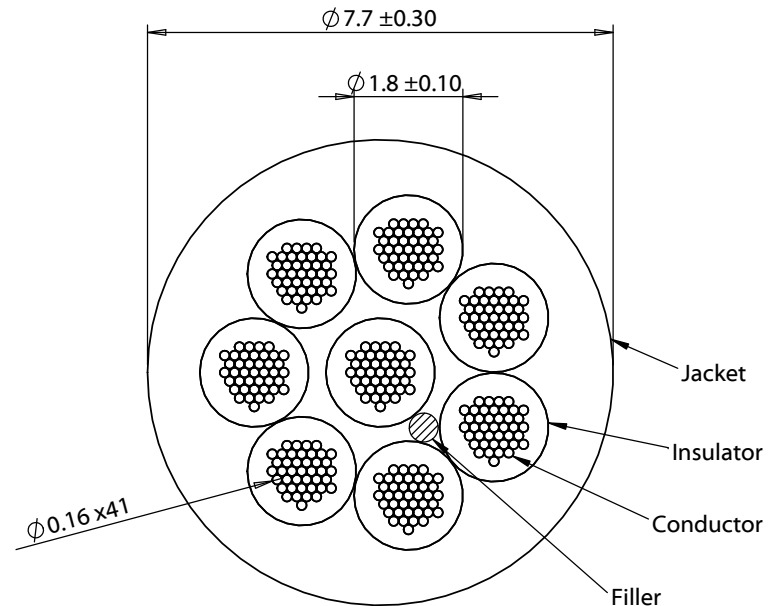
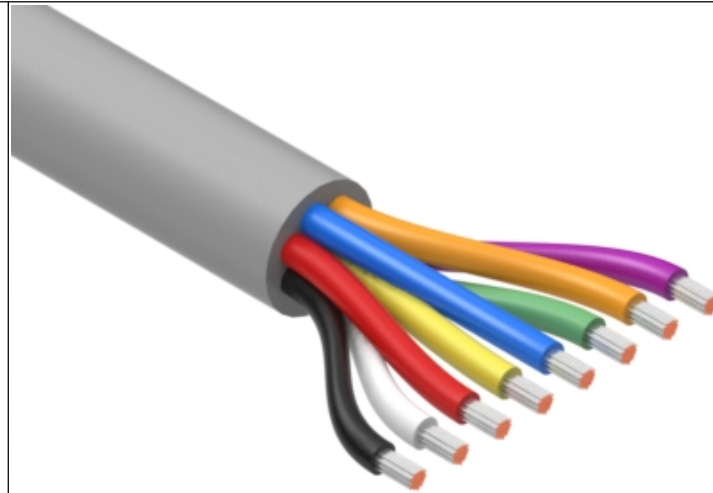
Outer jacket


Material: PVC
 Color: gray
 Diameter: \varnothing 7.7 \pm 0.30 mm
 Nominal thickness: 0.88 mm

Wire marking: E339579 UL AWM STYLE 2464 18 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 \pm 2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 Heat shock: 121 \pm 1 °C /1 hour, no observed degradation
 Deformation: 121 \pm 1 °C /1 hour, \leq 50 %
 Cold bend: -10 \pm 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	5/16/2019	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances: X: \pm 0.5 mm X.X: \pm 0.3 mm X.XX: \pm 0.05 mm	Description: Wire, 8C TS, 18 AWG, UL2464, 300V, 80C, 7.7 mm, VW-1, PVC, 60P, gray	Size: A Part number: 30-01312
					Scale: 8:1  Sheet 1 of 1

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