

Ratings

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

Conductor

Conductor count: 7
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
Diameter: $\varnothing 1.8 \pm 0.10$ mm
Nominal thickness: 0.29 mm
Resistance at 20 °C: 10 M Ω /km min

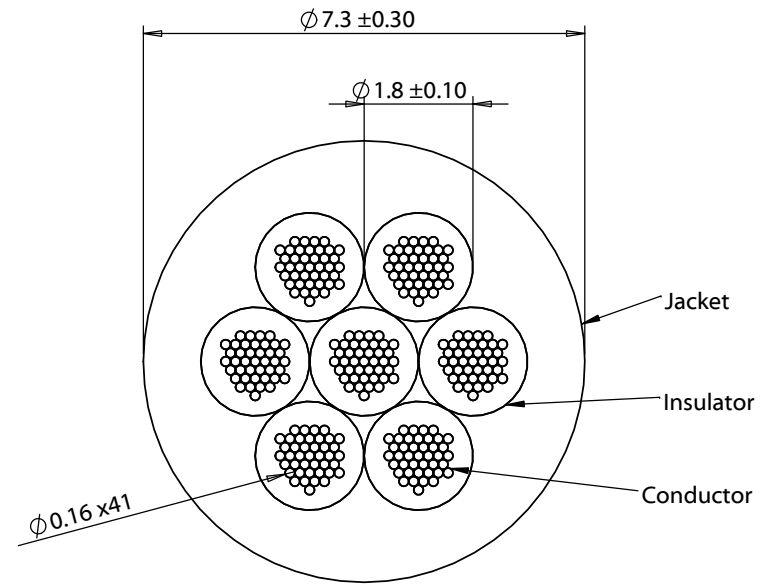
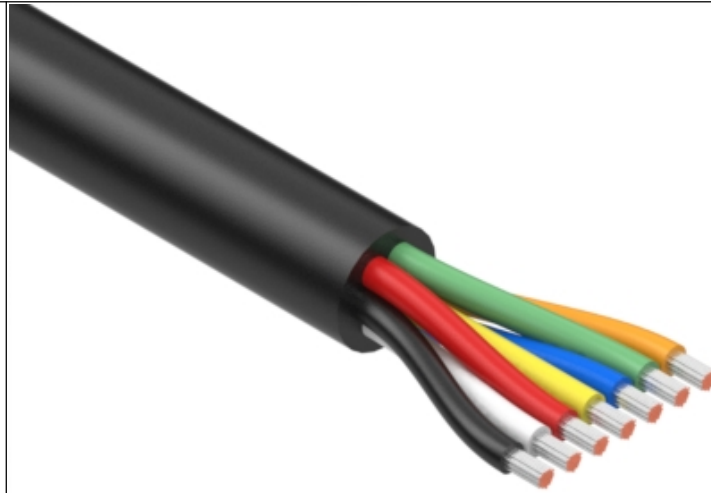
Outer jacket

Material: PVC
Color: black
Diameter: $\varnothing 7.3 \pm 0.30$ mm
Nominal thickness: 0.95 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 ± 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: RoHS compliant	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:				
			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 30-01298		
				Description: Wire, 7C TS, 18 AWG, UL2464, 300V, 80C, 7.3 mm, VW-1, PVC, 60P			
					Scale: 8:1		Sheet 1 of 1

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