

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

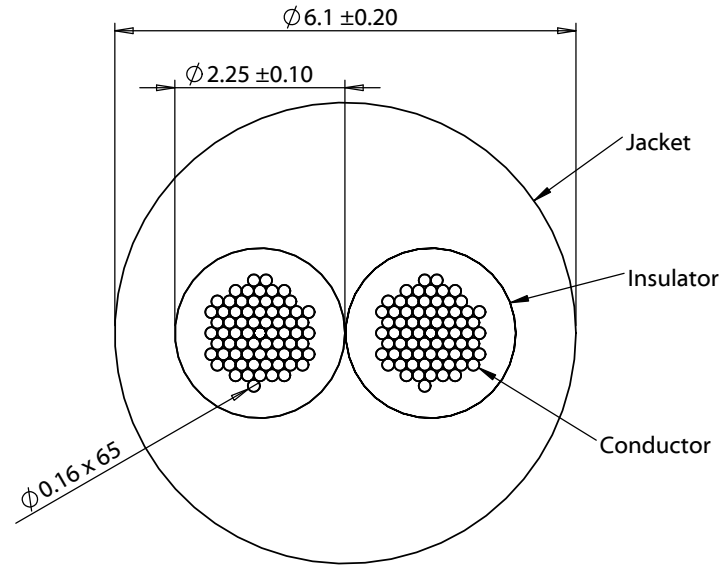
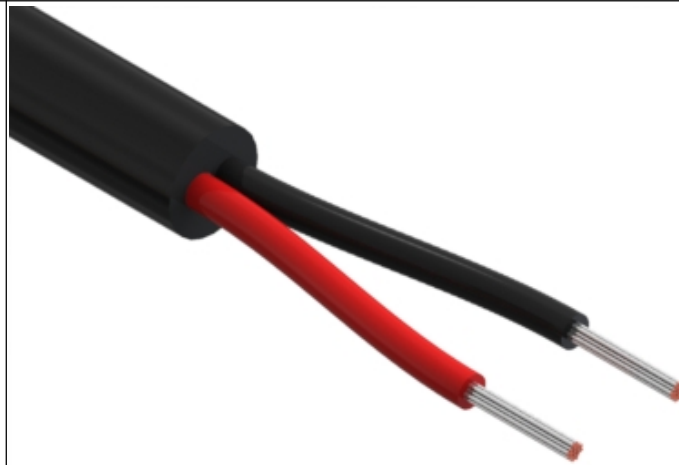
Conductor
 Conductor count: 2
 Gauge: 16 AWG 1.31 mm²
 Material: tinned copper strands
 Strand size: ϕ 0.16 x 65
 Resistance at 20 °C: 14.6 Ω /km max

Insulator
 Material: PVC
 Color: black, red
 Diameter: ϕ 2.25 \pm 0.10 mm
 Nominal thickness: 0.36 mm
 Resistance at 20 °C: 10 M Ω /km min

Outer jacket
 Material: PVC
 Color: black
 Diameter: ϕ 6.1 \pm 0.20 mm
 Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 2464 16 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	1/22/2016	Initial release	AW <small>Digitally signed by AW Date: 2018.09.06 14:54:23 -07'00'</small>		
A1	8/22/2018	Increased operating temperature range	Verified:	Function test: no open, no short circuit, no intermittent	Size:
			PS <small>Digitally signed by PS Date: 2018.09.06 14:57:40 -07'00'</small>	Description:	Part number:
			Dimensions are in millimeters. Tolerances: X: \pm 0.5 mm X.X: \pm 0.3 mm X.XX: \pm 0.05 mm	Wire, 2C TS, 16 AWG, UL2464, 300V, 80C, 6.1 mm, VW-1, PVC	A 30-00680
				Scale: 10:1	Sheet 1 of 1

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