

Ratings

Voltage: 300 V

Temperature: -10 ~ 80 °C

Conductor

Gauge: 18 AWG

Material: bare copper strands

Strand size: Ø 0.16 mm

Strand count: 41

Outer jacket

Material: PVC, 80 °C

Color: black

Thickness: 0.38 mm

Diameter: 4.4 ±0.20 mm (2.2x4.4)

Durometer: 87 Shore A

Wire marking: E339579 AWM STYLE 2468 18 AWG 80°C
300V VW-1 --- C AWM I A 80°C 300V FT1 TENSILITY

Tests

Voltage test: 300 V

Spark test: 3.0/4.0 kV

Max resistance at 20 °C: 23.2 ohm/km

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

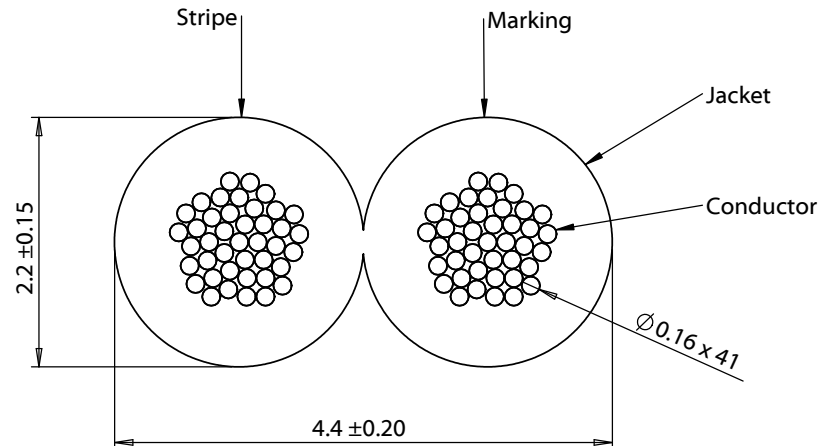
Heat shock: 121 ±1 °C /1 hour, no observed degradation

Deformation: 121 ±1 °C /1 hour, ≤ 50 %

Cold bend: -10 ±1 °C /1 hour, no observed cracking

Flammability: VW-1

Humidity: < 75 %



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES:	TENSILITY 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com				
A	9/27/2010	Initial release	VERIFIED:	RoHS and REACH compliant					
A1	8/13/2012	Added operating temperature		Electrical test: no open, no short circuit, no intermittent					
A2	10/29/2013	Added humidity rating							
A3	2/19/2013	Added rated current	DIMENSIONS ARE IN MILLIMETERS		DESCRIPTION: Wire, 2C BC, 18 AWG, UL2468, 300V, 80C, 4.4 mm, VW-1, PVC, 87A	SIZE	PART NUMBER		
A4	8/27/2014	Updated template and ratings	TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm			A	30-00007		
A5	1/08/2016	Corrected tolerances						SCALE: 10:1	