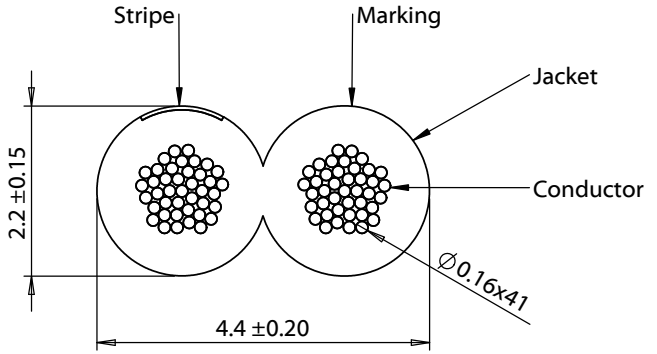
Ratings
Voltage: 300 V
Temperature: -10 ~ 80 °C

Conductor
Gauge: 18 AWG
Material: tinned copper strands
Strand size: Ø 0.16 mm
Strand count: 41

Outer jacket
Material: PVC, 80 °C
Color: white
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
Dielectric test: 2000 V ac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION
A	7/09/2014	Initial release
A1	1/08/2016	Corrected tolerances

PREPARED: GL 2016.01.13 12:05:44 -08'00'

VERIFIED: AG 2016.01.22 12:39:06 -08'00'

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

NOTES:
RoHS and REACH compliant

Electrical test: no open, no short circuit, no intermittent

DESCRIPTION:
Wire, 2C TS, 18 AWG, UL2468, 300V, 80C, 4.4 mm, VW-1, PVC, 87A, white

TENSILITY
20802 Sockeye Place #130
Bend, OR 97701 USA
tel 541.323.3228 *fax* 541.323.4202
800 877.670.7118 www.tensility.com

SIZE A | **PART NUMBER** **30-00396**

SCALE: 10:1 | WEIGHT: | SHEET 1 OF 1

5 4 3 2 1