Ratings
Voltage: 300 V
Temperature: -20 ~ 80 °C

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

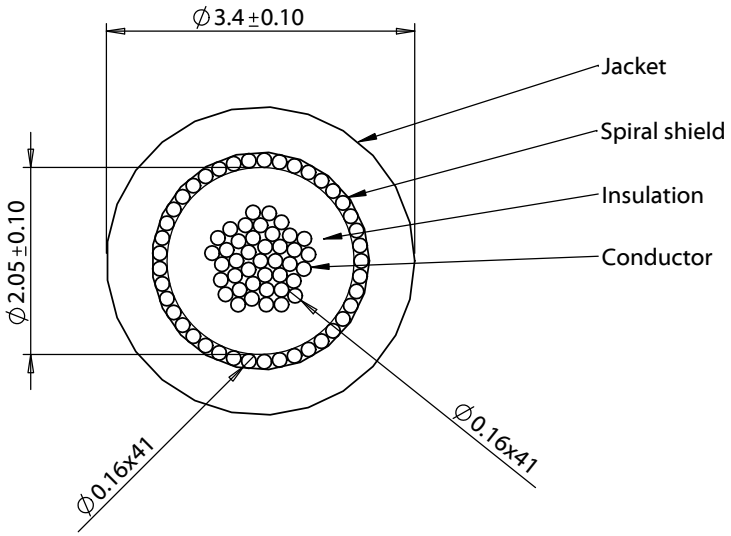
Insulator
Material: PVC, 80 °C
Color: white
Nominal thickness: 0.38 mm
Outer diameter: 2.05 ±0.10 mm

Shield
Type: spiral
Material: tinned copper strands
Strand size: Ø 0.16 mm
Strand count: 41

Outer jacket
Material: PVC, 80 °C
Durometer: 79 Shore A
Color: black
Thickness: 0.38 mm
Diameter: 3.4 ±0.10 mm

Wire marking: E339579 AWM STYLE 1185 18AWG 80°C 300V VW-1 - - - C AWM I A 80°C 300V FT1 TENSILITY HLE

Tests
Voltage test: 300 V
Spark test: 3.0/4.0 kV
Max resistance at 20 °C: 23.2 ohm/km
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	06/20/2014	Initial release

PREPARED:
AG
2014.06.20 11:49:03 -07'00'

VERIFIED:
JM
2014.06.24 09:12:17 -07'00'

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, 1C TS, 18 AWG, UL1185, 300V, 80C, 3.4 mm, shielded, VW-1, PVC, 79A

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	PART NUMBER
A	**30-00335**

SCALE: 12:1	WEIGHT:	SHEET 1 OF 1

5 4 3 2 1