

Ratings

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

Conductor

Gauge: 24 AWG
 Material: tinned copper strands
 Strand size: \varnothing 0.16 mm
 Strand count: 11

Insulator



Material: PVC, 80 °C
 Color: white
 Nominal thickness: 0.38 mm
 Outer diameter: 1.40 ± 0.10 mm

Shield

Type: spiral
 Material: tinned copper strands
 Strand size: \varnothing 0.10 mm
 Strand count: 47

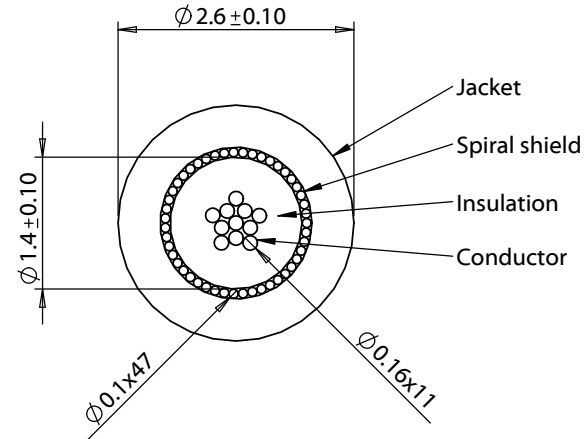
Outer jacket

Material: PVC, 80 °C
 Color: white
 Thickness: 0.38 mm
 Diameter: 2.6 ± 0.10 mm
 Durometer: 79 Shore A

Wire marking: E339579  AWM STYLE 1185 24AWG 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: 94.2 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:

NOTES:

RoHS and REACH compliant

VERIFIED:

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

DIMENSIONS ARE IN MILLIMETERS

DESCRIPTION:

Wire, 1C TS, 24 AWG, UL1185, 300V, 80C, 2.6 mm, shielded, VW-1, PVC, 79A, white

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

TENSILITY

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 Bend, OR 97701 USA
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 800 877.670.7118 www.tensility.com

SIZE

A

PART NUMBER

30-00345

SCALE: 12:1

WEIGHT:

SHEET 1 OF 1