

Ratings

Voltage: 300 V
 Temperature: 80 °C

Conductor

Gauge: 18 AWG
 Material: tinned copper strands
 Strand size: $\varnothing 0.16$ mm
 Strand count: 41

Insulator

Material: PVC, 80 °C
 Color: black, white
 Nominal thickness: 0.23 mm
 Outer diameter: 1.80 mm

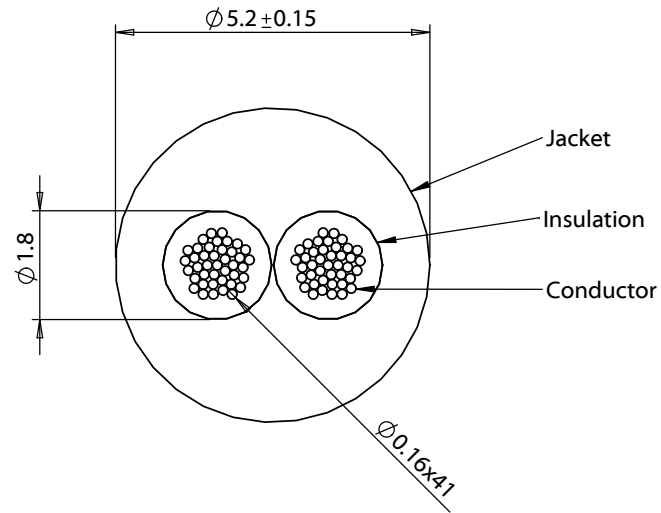
Outer jacket

Material: PVC, 80 °C
 Color: gray
 Thickness: 0.76 mm
 Diameter: 5.2 ± 0.15 mm
 Durometer: 91 Shore A

Wire marking: E339579 AWM STYLE 2464 18AWG 80°C 300V VW-1 --- C AWM I A 80°C 300V FT1 LF TENSILITY HLE

Tests

Voltage test: 300 V
 Spark test: 3.0 kV
 Max resistance at 20 °C: 23.2 ohm/km
 Insulation tensile strength: 2.11 kgf/mm²
 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	06/24/2014	Initial release

PREPARED:

VERIFIED:

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, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC, 91A, gray

TENSILITY

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SIZE A	PART NUMBER 30-00352
SCALE: 8:1	WEIGHT:
SHEET 1 OF 1	