

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

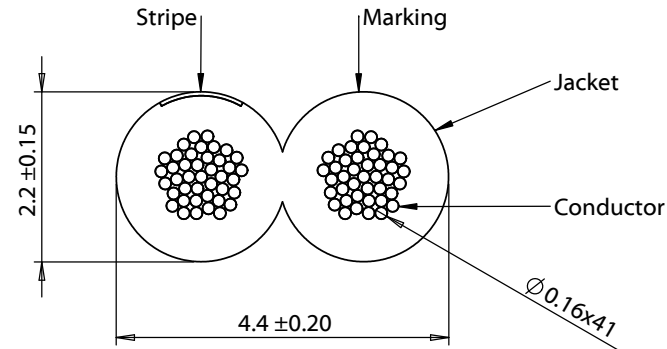
Outer jacket

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



| REVISION | DATE | DESCRIPTION |
|----------|------------|----------------------|
| A | 06/26/2014 | Initial release |
| A1 | 1/08/2016 | Corrected tolerances |
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| | | |
| | | |

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, UL2468, 300V, 80C, 4.4 mm, VW-1, PVC, 87A

TENSILITY

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| | |
|--------------|---------------------------------------|
| SIZE A | PART NUMBER 30-00395 |
| SCALE: 10:1 | WEIGHT: |
| SHEET 1 OF 1 | |