

Ratings



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

Conductor

Gauge: 20 AWG, 0.52 mm²
 Material: tinned copper strands
 Strand size: Ø 0.16 mm
 Strand count: 26

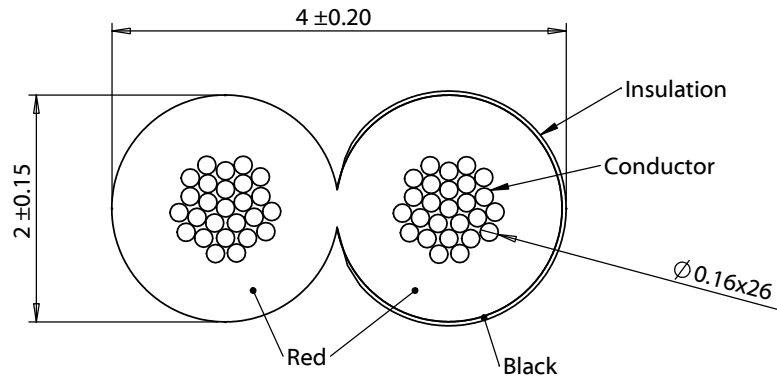
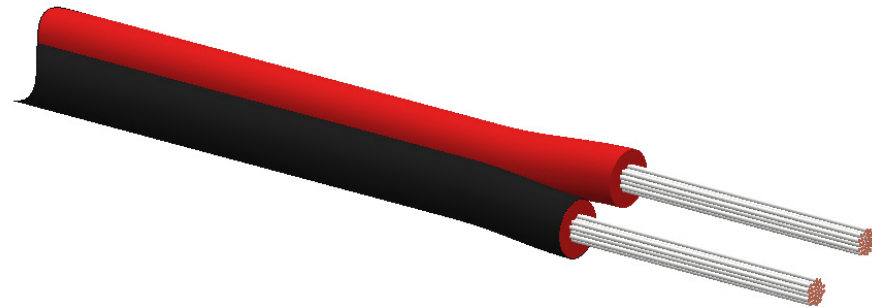
Outer jacket

Material: PVC, 80 °C
 Color: black and red
 Thickness: 0.38 mm
 Diameter: 4.0 ±0.20 mm (2.0 x 4.0)

Wire marking: E339579  AWM STYLE 2468 20AWG 80°C
 300V VW-1 --- C  AWM I A 80°C 300V FT1 TENSILITY

Tests

Voltage test: 300 V
 Max resistance at 20 °C: 36.7 ohm/km
 Spark test: 3.0/4.0 kV
 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: 1500 Vac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION
A	7/21/2014	Initial release
A1	10/14/2014	Updated jacket construction
A2	9/8/2015	Updated jacket tolerance

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, 20 AWG, UL2468, 300V, 80°C, 4.0 mm, VW-1, PVC, red and black

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 30-00416
SCALE: 15:1	WEIGHT:
SHEET 1 OF 1	