

**Ratings**



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

**Conductor**

Gauge: 24 AWG, 0.22 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø 0.16 mm  
 Strand count: 11

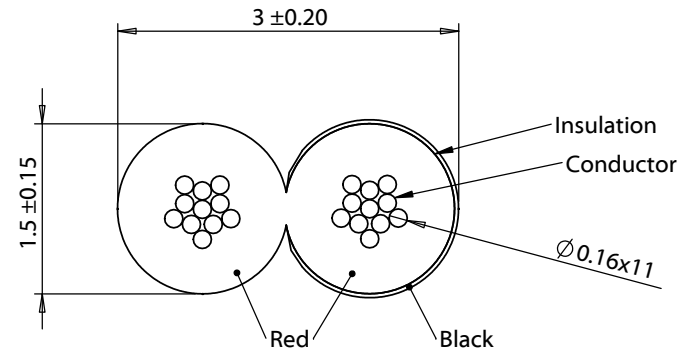
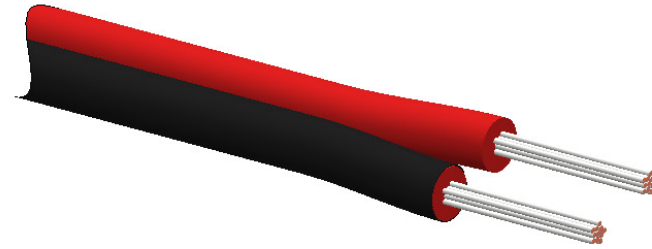
**Outer jacket**

Material: PVC, 80 °C  
 Color: black and red  
 Thickness: 0.38 mm  
 Diameter: 3.0 ±0.20 mm (1.5 x 3.0)

**Wire marking:** E339579  AWM STYLE 2468 24AWG 80°C  
 300V VW-1 --- C  AWM I A 80°C 300V FT1 TENSILITY

**Tests**

Voltage test: 300 V  
 Max resistance at 20 °C: 94.2 ohm/km  
 Spark test: 3.0/4.0 kV  
 Tensile strength: 1.05 kgf/mm<sup>2</sup>  
 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 V ac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION
A	7/22/2014	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, 24 AWG, UL2468, 300V, 80°C, 3.0 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 <b>30-00418</b>
SCALE: 15:1	WEIGHT:
SHEET 1 OF 1	