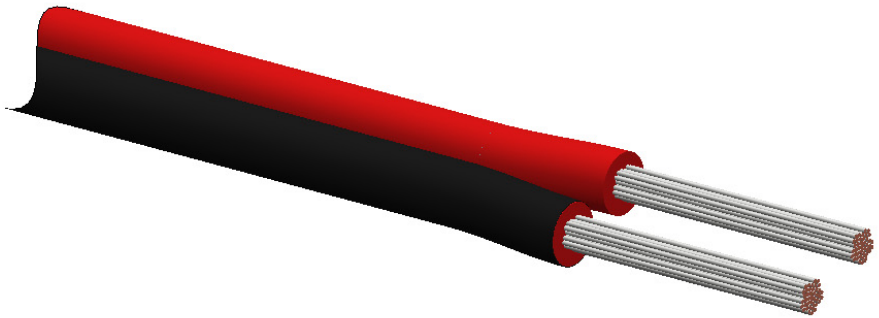
Ratings
Voltage: 300 V
Temperature: -10 ~ 80 °C

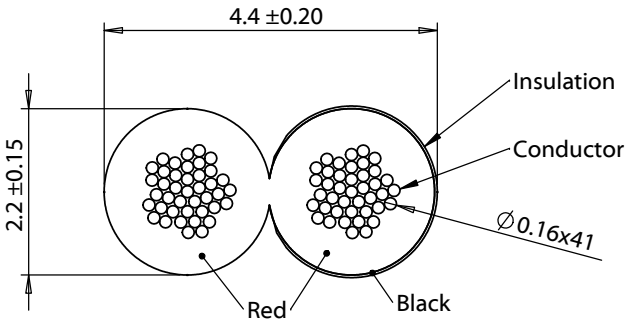
Conductor
Gauge: 18 AWG, 0.82 mm²
Material: tinned copper strands
Strand size: Ø 0.16 mm
Strand count: 41

Outer jacket
Material: PVC, 80 °C
Color: black and red
Thickness: 0.38 mm
Diameter: 4.4 ±0.20 mm (2.2 x 4.4)

Wire marking: E339579 AWM STYLE 2468 18AWG 80°C 300V VW-1 --- C AWM I A 80°C 300V FT1 TENSILITY

Tests
Voltage test: 300 V
Max resistance at 20 °C: 23.2 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 V ac for 1 minute without breakdown





REVISION	DATE	DESCRIPTION
A	7/22/2014	Initial release
A1	10/13/2014	Changed jacket construction
A2	9/8/2015	Updated jacket tolerance

PREPARED: AG 2015.09.08 15:29:51 -07'00'

VERIFIED: JM 2015.09.08 15:48:32 -07'00'

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, 80°C, 4.4 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	PART NUMBER
A	**30-00415**

SCALE: 10:1	WEIGHT:	SHEET 1 OF 1

5 4 3 2 1