

Ratings

Voltage: 300 V
 Temperature: -25 to 80 °C
 Flammability: VW-1

Conductor

Conductor count: 2
 Gauge: 18 AWG 0.82 mm²
 Material: bare copper strands
 Strand size: Ø 0.16 mm x 41
 Resistance at 20 °C: 21.8 Ω /km max

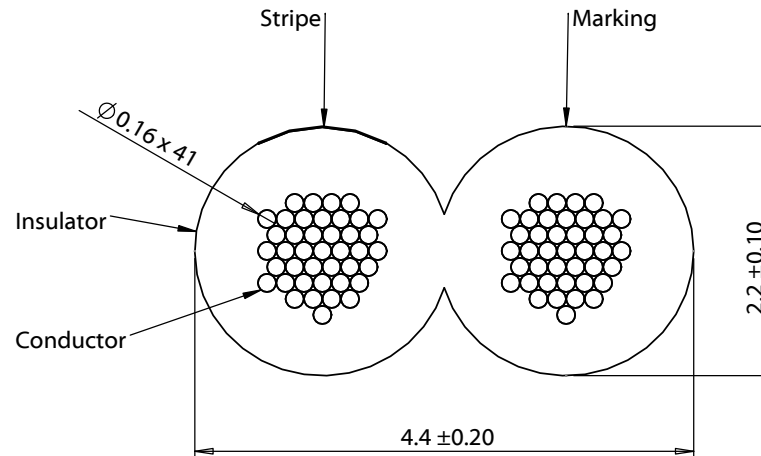
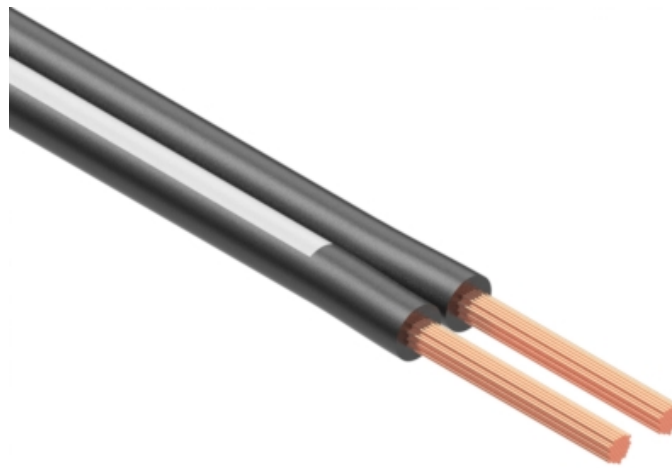
Insulator

Material: PVC
 Color: black
 Diameter: 4.4 ±0.20 mm
 Nominal thickness: 0.50 mm
 Resistance at 20 °C: 10 MΩ /km min

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

Tests

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 ±2 °C /1 hour, no observed cracking
 Humidity: <75%



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>	
A1	8/13/2012	Added operating temperature	Verified:	RoHS and REACH compliant		
A2	10/29/2013	Added humidity rating	Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent		
A3	2/19/2013	Added ratings		Description:		Size: Part number:
A4	8/27/2014	Updated template		Wire, 2C BC, 18 AWG, UL2468, 300V, 80C, 4.4 mm, VW-1, PVC		A 30-00007
A5	8/2/2018	Increased temperature range		Scale: 15:1	Sheet 1 of 1	