

Ratings

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

Conductor

Conductor count: 2
 Gauge: 24 AWG 0.22 mm²
 Material: bare copper strands
 Strand size: Ø 0.16 mm x 11
 Resistance at 20 °C: 87.5 Ω /km max

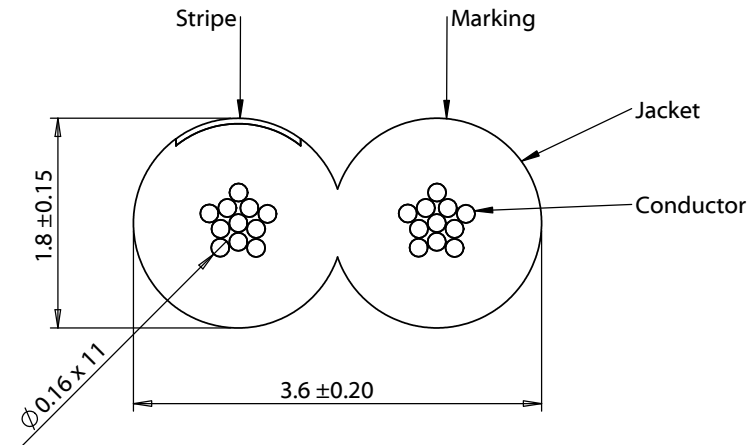
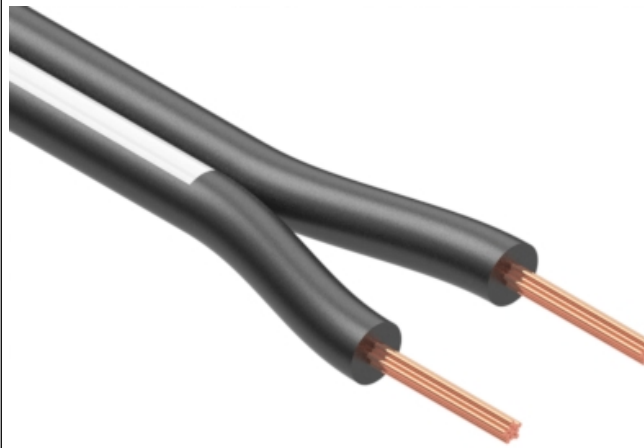
Insulator

Material: PVC
 Color: black
 Diameter: 3.6 ±0.20 mm
 Nominal thickness: 0.56 mm
 Resistance at 20 °C: 10 MΩ /km min

Wire marking: E339579 UL AWM STYLE 2468 24 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
 Dielectric test: 2000 Vac for 1 minute without breakdown



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>	
A	4/19/2010	Initial release	Verified:	RoHS and REACH compliant		
A1	9/28/2011	Added marking and updated description	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		
A2	8/13/2012	Added operating temperature		Description:		Size: A
A3	1/8/2016	Corrected tolerances		Wire, 2C BC, 24 AWG, UL2468, 300V, 80C, 3.6 mm, VW-1, PVC		Part number: 30-00003
A4	8/1/2018	Increased operating temperature range		Scale: 15:1		

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