

Ratings

Voltage: 300 V
 Temperature: -10 to 105 °C
 Flammability: VW-1

Conductor

Conductor count: 2
 Gauge: 24 AWG 0.22 mm²
 Material: tinned copper strands
 Strand size: Ø 0.16 mm x 11

Outer jacket

Material: PVC/38P
 Color: white
 Diameter: 3 ±0.20 mm (1.5 ±0.1 x 2)
 Nominal thickness: 0.42 mm

Electrical requirements

Voltage test: 300 V
 Spark test: 3.0 kV
 Conductor maximum resistance at 20 °C: 94.2 ohms/km
 Jacket resistance at 20 °C: 10 Mohms/km
 Dielectric test: 2000 Vac for 1 minute with no breakdown

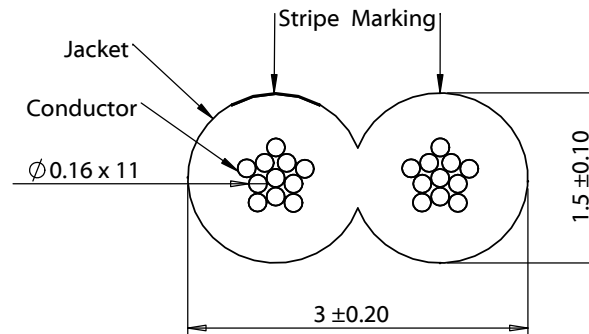
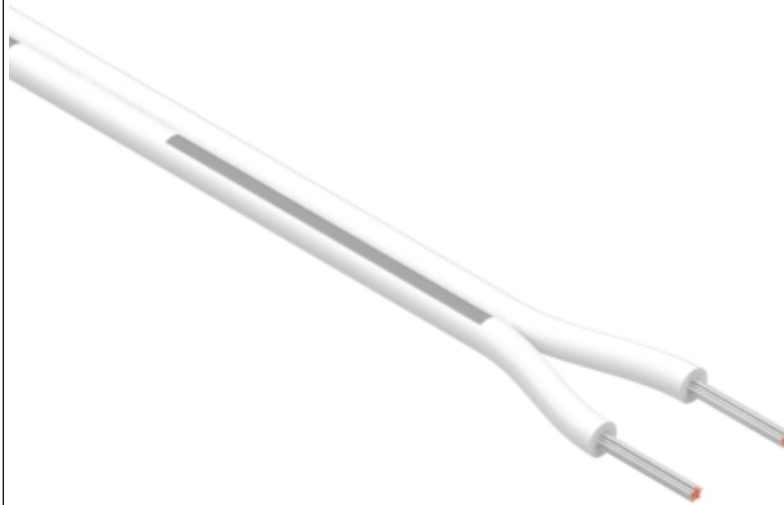
Mechanical requirements


Jacket tensile strength: 1.05 kgf/mm²
 After aging at 136±2 °C for 7 days:
 Minimum tensile strength 70% of original
 Minimum elongation 65% of original

Environmental requirements

Heat shock: 136±1 °C/1 hour, no observed degradation
 Deformation: 136±1 °C/1 hour, ≤50%
 Cold bend: -10±2 °C/1 hour, no observed cracking

Wire marking: E339579 UL AWM STYLE 2651 24 AWG 105°C
 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



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|-----------|------------|-----------------|--|---|--|
| Revision: | Date: | Description: | Prepared: | Notes: RoHS and REACH compliant | TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com |
| A | 10/25/2016 | Initial release | Verified: | | |
| | | | Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm | Description: | Size: Part number: |
| | | | | Wire, 2C TS, 24 AWG, UL2651, 300V, 105C, 3.0 mm, VW-1, PVC, white | A 30-00803 |
| | | | | Scale: 15:1 |  Sheet 1 of 1 |