

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

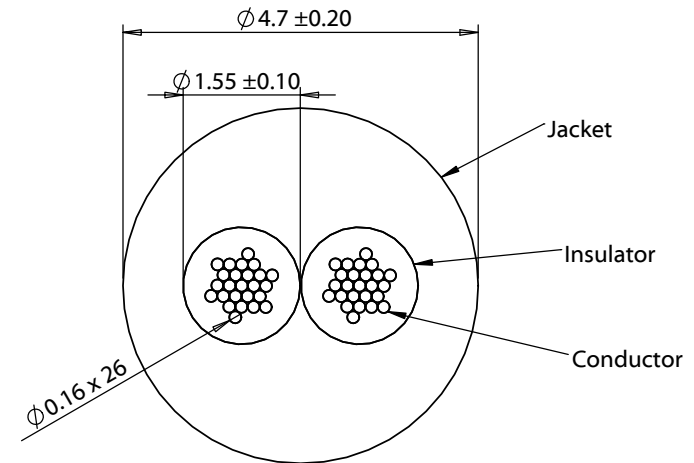
Conductor
 Conductor count: 2
 Gauge: 20 AWG 0.52 mm²
 Material: tinned copper strands
 Strand size: ϕ 0.16 x 26
 Resistance at 20 °C: 36.7 Ω /km max

Insulator
 Material: PVC
 Color: red, black
 Diameter: ϕ 1.55 \pm 0.10 mm
 Nominal thickness: 0.28 mm
 Resistance at 20 °C: 10 M Ω /km min

Outer jacket
 Material: PVC
 Color: white
 Diameter: ϕ 4.7 \pm 0.20 mm
 Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 2464 20 AWG 80°C
 300V VW-1 - - - cUL AWM I/II 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 \pm 2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 Heat shock: 121 \pm 1 °C /1 hour, no observed degradation
 Deformation: 121 \pm 1 °C /1 hour, \leq 50 %
 Cold bend: -10 \pm 2 °C /1 hour, no observed cracking



Revision:	Date:	Description:
A	01/22/2016	Initial release
A1	09/06/2018	Increased operating temperature range

Prepared:
AW
Digitally signed by AW
 Date: 2018.09.06
 15:09:14 -07'00'

Verified:
PS
Digitally signed by PS
 Date: 2018.09.06
 15:32:25 -07'00'

Dimensions are in millimeters.
 Tolerances:
 X: \pm 0.5 mm
 X.X: \pm 0.3 mm
 X.XX: \pm 0.05 mm

Notes:
 RoHS and REACH compliant

Function test: no open, no short circuit, no intermittent

Description:
 Wire, 2C TS, 20 AWG, UL2464, 300V, 80C, 4.70 mm, VW-1, PVC, white

TENSILITY

tel 1.541.323.3228 800 877.670.7118
 fax 1.541.323.4202 web tensility.com

Size: A	Part number: 30-00687
Scale: 10:1	Sheet 1 of 1

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2

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