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

Conductor
Conductor count: 2
Gauge: 20 AWG 0.52 mm²
Material: tinned copper strands
Strand size: Ø 0.18 mm x 21

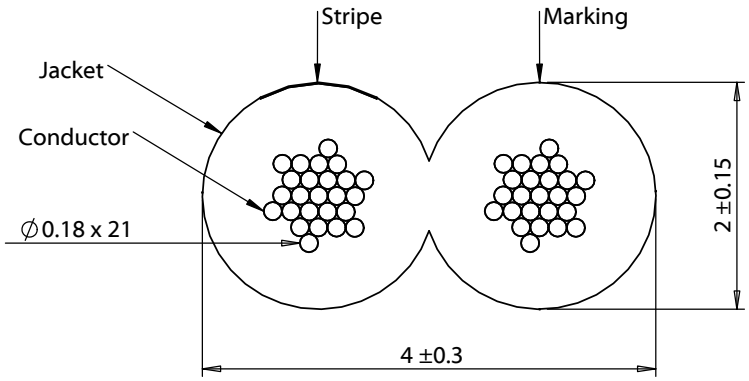
Outer jacket
Material: PVC/38P
Color: black
Diameter: 4 ±0.3 mm (2.0 ±0.15 x 2)
Nominal thickness: 0.50 mm

Electrical requirements
Voltage test: 300 V
Spark test: 3.0 kV
Conductor maximum resistance at 20 °C: 36.7 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 20 AWG 105°C 300V VW-1 - - - cUL AWM I A 105°C 300V FT1 TENSILITY



Revision:	Date:	Description:
A	12/06/2017	Initial release

Prepared: GL Digitally signed by GL Date: 2017.10.05 15:33:39 -07'00'

Verified: AG Digitally signed by AG Date: 2017.10.20 11:05:49 -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

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

Description:
Wire, 2C TS, 20 AWG, UL2651, 300V, 105C, 4.0 mm, VW-1, PVC

TENSILITY
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Size: A
Part number: 30-00796
Scale: 15:1
Sheet 1 of 1

5 4 3 2 1