

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

Conductor
 Conductor count: 1
 Gauge: 24 AWG 0.22 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.16 \times 11$
 Resistance at 20 °C: 94.2 Ω /km max

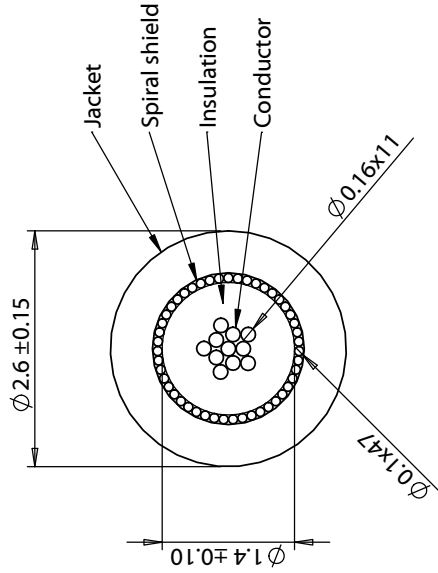
Insulator
 Material: PVC
 Color: white
 Diameter: $\varnothing 1.4 \pm 0.10$ mm
 Nominal thickness: 0.38 mm
 Resistance at 20 °C: 10 M Ω /km min

Shield
 Type: spiral
 Material: tinned copper strands
 Stranding: $\varnothing 0.1 \times 47$
 Coverage: 90% minimum

Outer jacket
 Material: PVC
 Color: white
 Diameter: $\varnothing 2.6 \pm 0.15$ mm
 Nominal thickness: 0.50 mm

Wire marking: E339579 UL AWM STYLE 1185 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



Revision:	Date:	Description:
A	06/20/2014	Initial release
A1	09/06/2018	Increased operating temperature range

Prepared:
Verified:
 Dimensions are in millimeters.
 Tolerances:
 X: ± 0.5 mm
 XX: ± 0.3 mm
 XXX: ± 0.05 mm

Notes:
 RoHS and REACH compliant
 Function test: no open, no short circuit, no intermittent
 Description:
 Wire, 1CTS, 24 AWG, UL1185, 300V, 80C, 2.6 mm, shielded, VW-1, PVC, white

TENSILITY	
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Size:	Part number:
A	30-00345
Scale: 12:1	Sheet 1 of 1