

Ratings

Voltage: 300 V
 Temperature: 80 °C
 Flammability: VW-1, FT1

Conductor

Conductor count: 2
 Gauge: 18 AWG, 0.82 mm²
 Material: tinned copper strands
 Stranding: $\phi 0.16 \times 41$
 Resistance at 20 °C: 24 ohm/km maximum

Insulator

Material: SRPVC, 80 °C
 Color: black, red
 Outer diameter: $\phi 1.8 \pm 0.10$ mm
 Thickness: 0.23 mm minimum average
 Style: UL 1061

Outer jacket

Material: PVC, 80 °C
 Color: black
 Diameter: $\phi 5.2 \pm 0.20$ mm
 Thickness: 0.76 mm minimum average

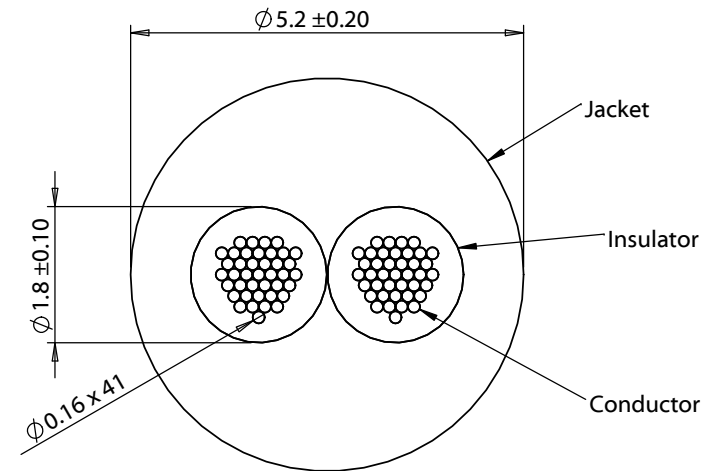
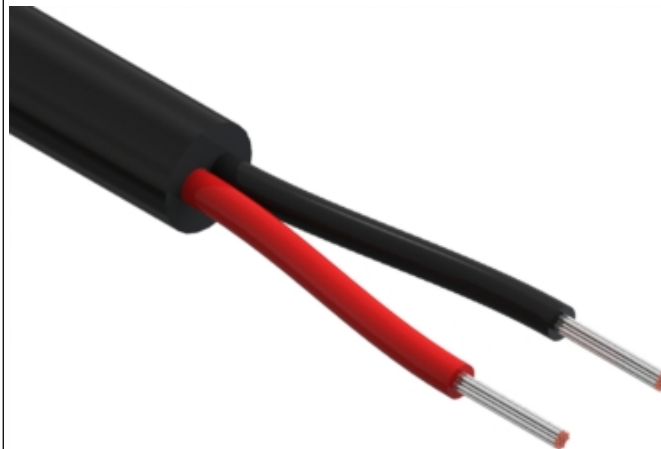
Wire marking: E339579 UL AWM STYLE 2464 18AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

Tests

Tensile strength: 1.05 kgf/mm²
 After aging at 113 ±2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 Flexibility: no observed cracking
 Heat shock: 121 ±1 °C /1 hour, no observed degradation
 Deformation: 121 ±1 °C /1hour, ≤ 50 %
 Cold bend: -10 ±2 °C /1 hour, no observed cracking
 Dielectric: 2000 Vac for 1 minute without breakdown

Use:

Internal wiring or external interconnection of electronic equipment



REVISION	DATE	DESCRIPTION
A	1/22/2016	Initial release

PREPARED:
 VERIFIED:
 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
 Meets UL appliance wiring standard 758
 DESCRIPTION:
 Wire, 2C TS, 18 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC

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SIZE A	PART NUMBER 30-00683
SCALE: 12:1	SHEET 1 OF 1