

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

Conductor
 Conductor count: 2
 Gauge: 24 AWG 0.22 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.16 \text{ mm} \times 11$

Insulator
 Material: PVC
 Color: black, red
 Diameter: $\varnothing 1.2 \pm 0.10 \text{ mm}$
 Nominal thickness: 0.38 mm

Drain
 Stranding: $\varnothing 0.16 \text{ mm} \times 11$, 24 AWG

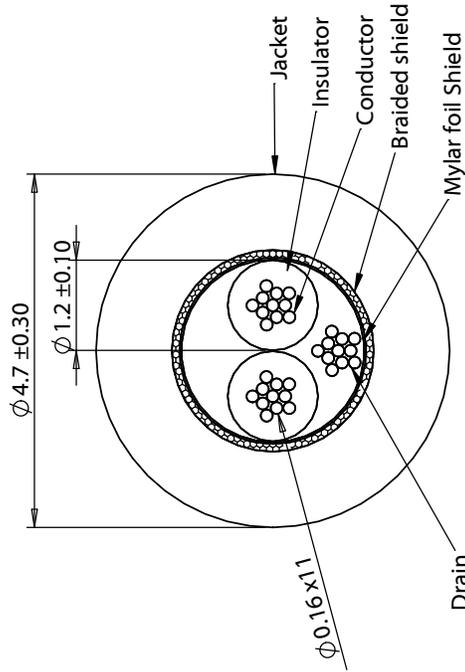
Shield
 Type: foil + braided
 Material: aluminum mylar, tinned copper strands
 Stranding: $\varnothing 0.127 \text{ mm}$
 Coverage: 80% minimum

Outer jacket
 Material: PVC, 80A
 Color: black
 Diameter: $\varnothing 4.7 \pm 0.30 \text{ mm}$
 Nominal thickness: 0.8 mm

Wire marking: E339579 UL AWM STYLE 2464 24 AWG 80°C 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 TENSILITY

Tests
 Voltage test: 300 V
 Spark test: 3.0 kV
 Max resistance at 20 °C: 94.2 ohm/km
 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
 Dielectric test: 2000 Vac for 1 minute without breakdown

Use: Internal wiring or external interconnection of electronic equipment.



Revision:	Date:	Description:
A	04/06/2018	Initial release

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, 2C TS, 24 AWG, UL2464, 300V, 80C, 4.7 mm, shielded, VW-1, PVC, black

TENSILITY
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Size: Part number:
 A 30-01007

Scale: 10:1