

Ratings

Voltage: 300 V

Temperature: -25 ~ 80 °C

Flammability: VW-1

Conductor

Conductor count: 5

Gauge: 28 AWG 0.09 mm²

Material: tinned copper strands

Strand size: $\varnothing 0.127 \times 7$ Resistance at 20 °C: 239 Ω /km max**Insulator**

Material: PVC

Color: black, white, red, yellow, blue

Diameter: $\varnothing 0.95 \pm 0.10$ mm

Nominal thickness: 0.26 mm

Resistance at 20 °C: 10 M Ω /km min**Filler**

Material: cotton rope

Outer jacket

Material: PVC

Color: white

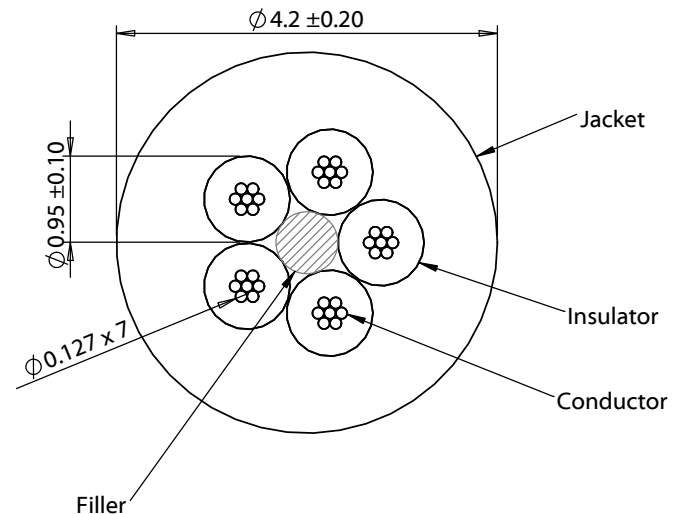
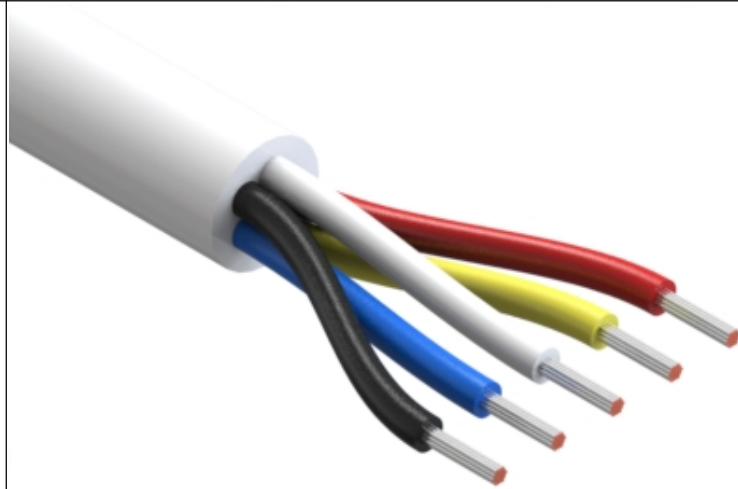
Diameter: $\varnothing 4.2 \pm 0.20$ mm

Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 2464 28 AWG 80°C
300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 TENSILITY**Tests**Insulation tensile strength: 2.11 kgf/mm²Jacket tensile strength: 1.05 kgf/mm²After 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 degradationDeformation: 121 ± 1 °C /1 hour, ≤ 50 %Cold bend: -10 ± 2 °C /1 hour, no observed cracking

Revision:	Date:	Description:
A	10/13/2015	Initial release
A1	01/26/2016	Updated dimensions
A2	09/06/2018	Increased operating temperature range

Prepared: RS <small>Digitally signed by RS Date: 2018.09.06 15:10:32 -07'00'</small>
Verified: PS <small>Digitally signed by PS Date: 2018.09.06 15:49:35 -07'00'</small>
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, 5C TS, 28 AWG, UL2464, 300V, 80C, 4.2 mm, VW-1, PVC, white

<h1>TENSILITY</h1>	
<small>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</small>	
Size: A	Part number: 30-00505
Scale: 12:1	Sheet 1 of 1

5

4

3

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