

Ratings

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

Conductor

Conductor count: 10
 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: white, black, red, yellow, blue, green, orange, purple, gray, brown
 Diameter: $\varnothing 0.95 \pm 0.10$ mm
 Nominal thickness: 0.26 mm
 Resistance at 20 °C: 10 M Ω /km min

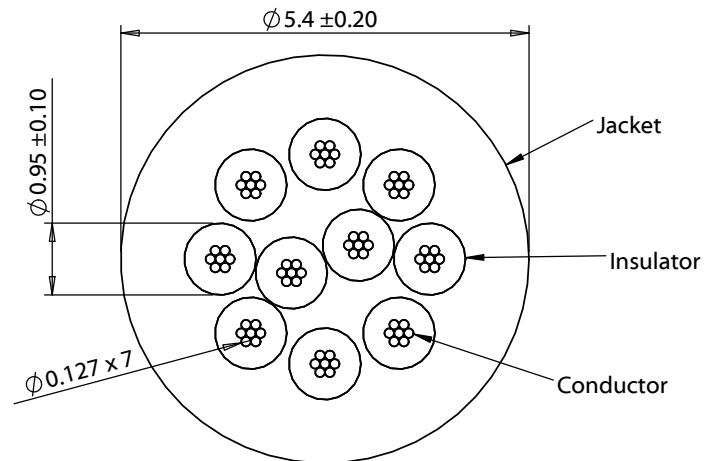
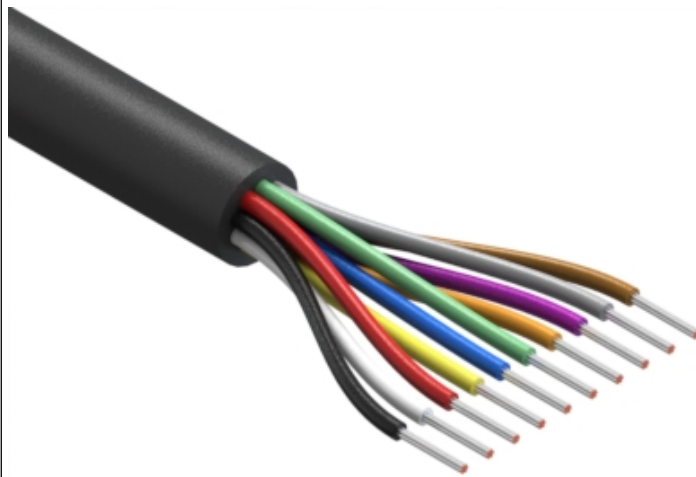
Outer jacket

Material: PVC
 Color: black
 Diameter: $\varnothing 5.4 \pm 0.20$ 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/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	10/13/2015	Initial release
A1	1/26/2016	Updated dimensions
A2	8/16/2018	Increased operating temperature range

Prepared: AG
Digitally signed by AG
 Date: 2018.09.07
 10:23:47 -07'00'

Verified: PS
Digitally signed by PS
 Date: 2018.09.07
 10:26:24 -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, 10C TS, 28 AWG, UL2464, 300V, 80C, 5.4 mm, VW-1, PVC

TENSILITY

tel 1.541.323.3228 800 877.670.7118
 fax 1.541.323.4202 web tensility.com

Size: A Part number: 30-00534

Scale: 10:1 Sheet 1 of 1