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: ∅0.127 x 7
Resistance at 20 °C: 239 Ω /km max

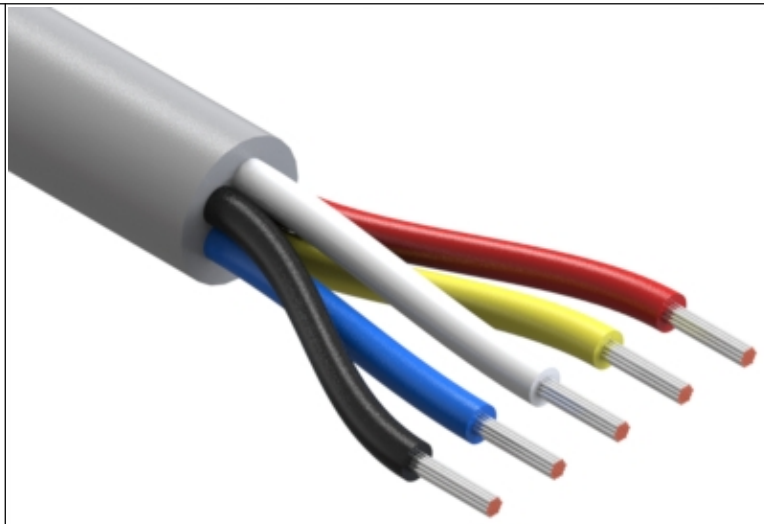
Insulator
Material: PVC
Color: black, white, red, yellow, blue
Diameter: ∅0.95 ±0.10 mm
Nominal thickness: 0.26 mm
Resistance at 20 °C: 10 MΩ /km min

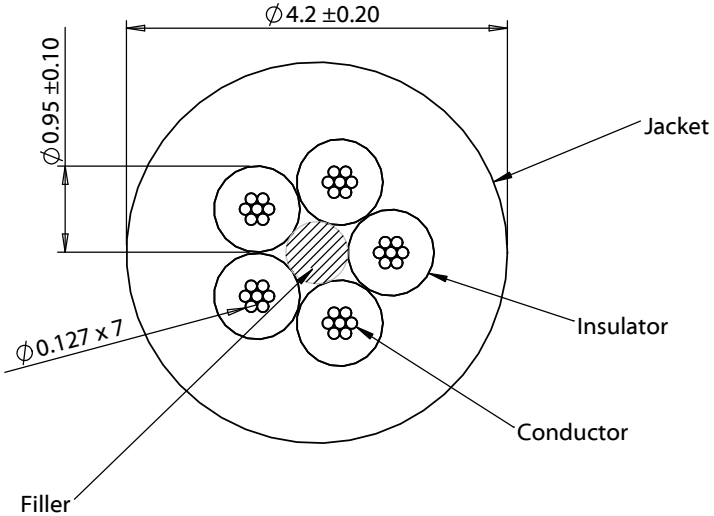
Filler
Material: cotton rope

Outer jacket
Material: PVC
Color: gray
Diameter: ∅4.2 ±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	01/26/2016	Updated dimensions
A2	09/06/2018	Increased operating temperature range

Prepared: RS Digitally signed by RS Date: 2018.09.06 15:23:54 -07'00'

Verified: PS Digitally signed by PS Date: 2018.09.06 15:52:16 -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, 5C TS, 28 AWG, UL2464, 300V, 80C, 4.2 mm, VW-1, PVC, gray

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-00506
Scale: 12:1
Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

5 4 3 2 1