

**Ratings**

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

**Conductor**

Conductor count: 10  
 Gauge: 24 AWG 0.22 mm<sup>2</sup>  
 Material: tinned copper strands  
 Strand size: Ø0.16x11  
 Resistance at 20 °C: 94.2 Ω /km max

**Insulator**

Material: PVC  
 Color: white, black, red, yellow, blue, green, orange, purple, gray, brown  
 Diameter: Ø 1.2 ±0.10 mm  
 Nominal thickness: 0.28 mm  
 Resistance at 20 °C: 10 MΩ /km min

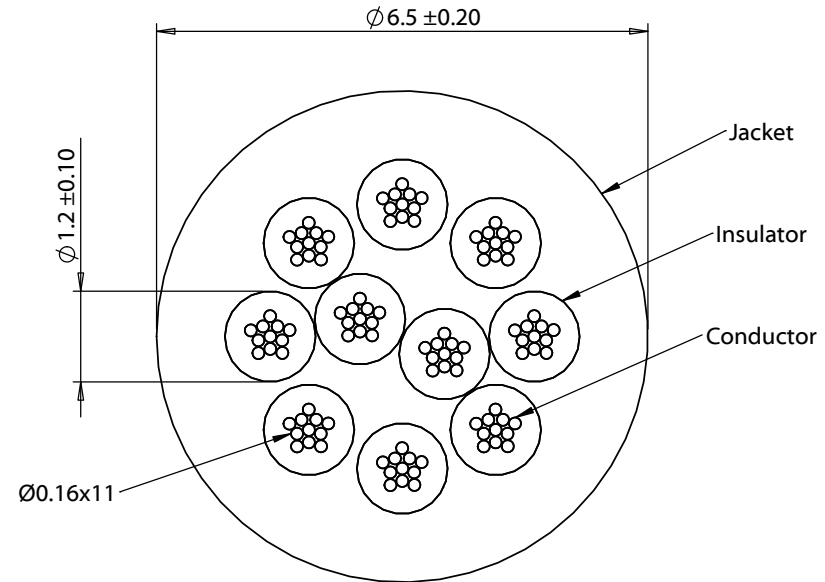
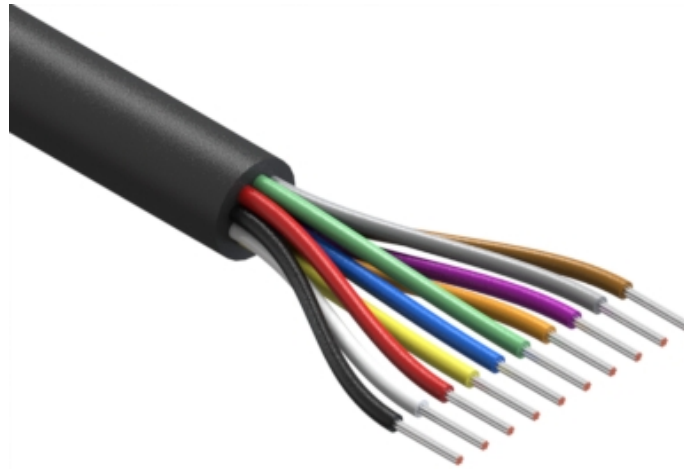
**Outer jacket**

Material: PVC  
 Color: black  
 Diameter: Ø 6.5 ±0.20 mm  
 Nominal thickness: 0.85 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**

Insulation tensile strength: 2.11 kgf/mm<sup>2</sup>  
 Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
 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 stranding
A2	8/17/2018	Increased operating temperature range

Prepared: AG <small>Digitally signed by AG Date: 2018.09.06 12:50:59 -0700</small>
Verified: PS <small>Digitally signed by PS Date: 2018.09.07 09:43:07 -0700</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, 10C TS, 24 AWG, UL2464, 300V, 80C, 6.5 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: 30-00531
Scale: 10:1	Sheet 1 of 1