

Ratings

Voltage: 300 V
 Temperature: 80° C
 Flammability: VW-1, FT1

Conductor

Conductor count: 10
 Gauge: 24 AWG, 0.22 mm²
 Material: tinned copper strands
 Strand size: Ø 0.16 mm x 11
 Resistance at 20° C: 95 ohms/km maximum

Insulator

Material: SRPVC, 80° C
 Color: black, white, red, yellow, blue, green, orange
 purple, gray, brown
 Diameter: 1.2 ±0.1 mm
 Nominal thickness: 0.23 mm
 Style: UL 1061

Outer jacket

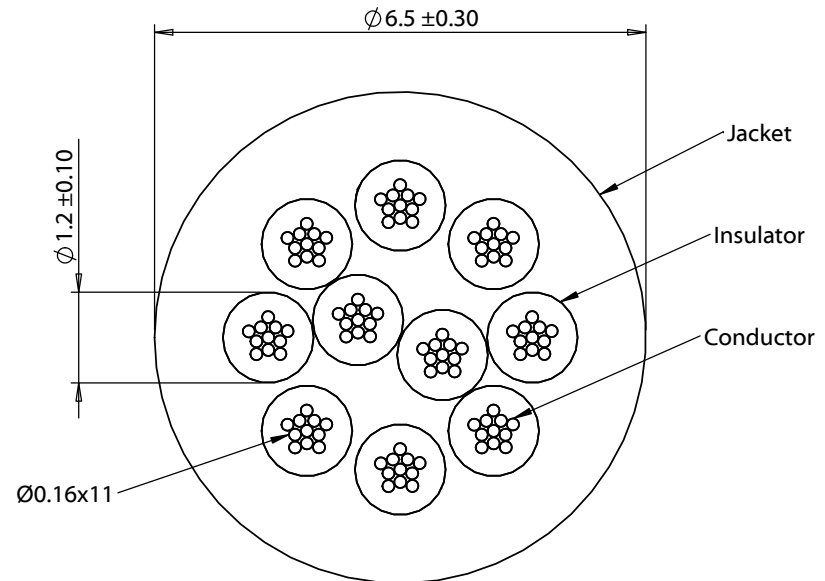
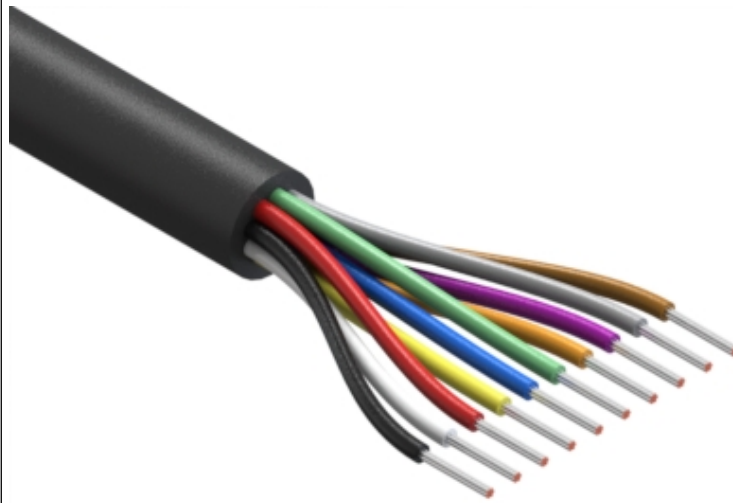
Material: PVC, 80° C
 Color: black
 Diameter: 6.5 ±0.3 mm
 Nominal thickness: 0.76 mm


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

Tests

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
 Flexibility: no observed cracking
 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:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
A	10/13/2015	Initial release	Verified:	RoHS and REACH compliant	
A1	1/26/2016	Updated stranding dimensions	Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size: Part number: A 30-00531
				Description: Wire, 10C TS, 24 AWG, UL2464, 300V, 80C, 6.5 mm, VW-1, PVC	Scale: 10:1  Sheet 1 of 1